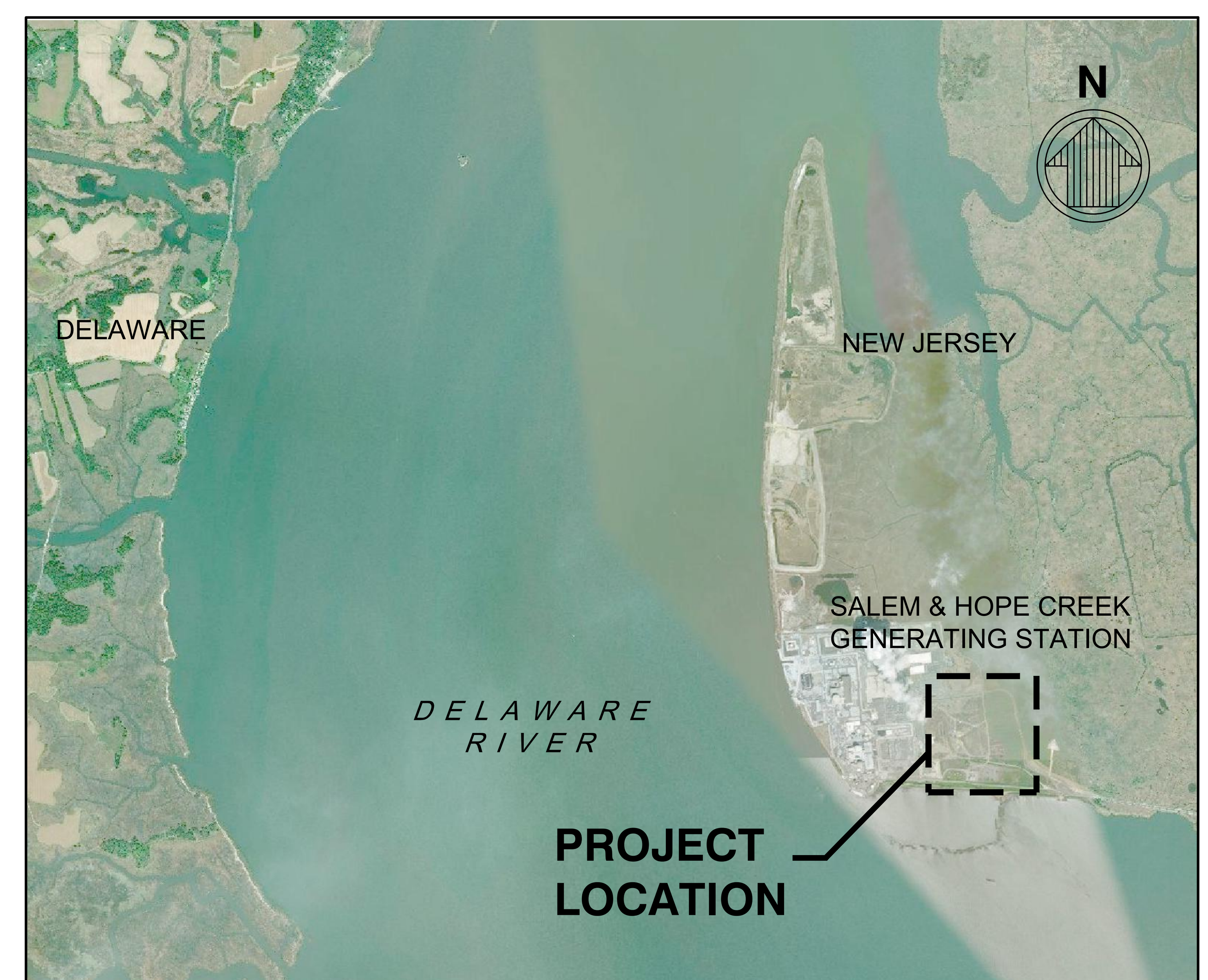
NEW JERSEY WIND PORT
PARCEL E CDF

PERMITTING PACKAGE
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NEW JERSEY

VICINITY MAP
NTS



LOCATION MAP
NTS

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

COVER SHEET WITH
VICINITY AND LOCATION MAPS

Designed by: PWK		Date: 2023-01-31	Rev. -
Dwn by: HR	Ckd by: PGV	M&N Project No. 11102-33	
Reviewed by: LC		Drawing code:	
Submitted by: F GONZALEZ CHANA MOFFATT & NICHOL		Drawing Scale: Plot scale: 1:1 (D SHEET)	

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330

NJEDA
NEW JERSEY WIND PORT

Thomas J Shafer
2023.02.06
16:34:46-05'00'
SEAL

Sheet
Reference No.
G-001
INDEX: 1 OF 27

File: Q:\BOS\Projects\11102-33 Sitewide Permit\20 CADD_Active_CDF-E Permit\1110233-G-001 ; Plotted: 2/1/2023 6:49 PM by VOELKER, PAUL ; Saved: 1/30/2023 4:52 PM by EDOMINGUEZ

INDEX OF DRAWINGS		
INDEX NO.	SHEET NO.	SHEET TITLE
		GENERAL
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4	G-101	PLAN - GENERAL ARRANGEMENT AND LIMIT OF WORK
5	G-102	PLAN - PARCEL 'E' - EXISTING WETLAND
6	G-103	PLAN - ESC PARCEL 'E' BORROW AREA
		GEOTECHNICAL
7	B-101	PLAN - TEST PIT LOCATIONS
		CIVIL
8	C-101	PLAN - KEY MAP
9	C-102	PLAN - EXISTING CONDITIONS AND SITE PREPARATION
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11	C-105	PLAN - CDF GRADING AND ESC (1 OF 4)
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17	C-501	EROSION AND SEDIMENT CONTROL NOTES
18	C-502	EROSION AND SEDIMENT CONTROL DETAILS
		STRUCTURAL
19	S-001	STRUCTURAL NOTES AND DESIGN CRITERIA
20	S-101	PLAN & SECTION - FOUNDATION
21	S-102	PLAN - SPILLWAY FRAMING AND DECK
22	S-201	ELEVATION - SPILLWAY SHEET 1 OF 2
23	S-202	ELEVATION - SPILLWAY SHEET 2 OF 2
24	S-501	DETAILS - SPILLWAY
25	S-502	DETAILS - LADDER AND GUARD RAIL SHEET 1 OF 2
26	S-503	DETAILS - LADDER AND GUARD RAIL SHEET 2 OF 2
27	S-504	DETAILS - WALKWAY AND MISCELLANEOUS CONNECTIONS

GENERAL NOTES

1. ALL FEDERAL, STATE, AND LOCAL SAFETY REGULATIONS ARE TO BE STRICTLY FOLLOWED.
2. ALL WORK SHALL COMPLY WITH THE LATEST BUILDING, ELECTRICAL, MECHANICAL CODES, AND CODES AND STANDARDS LISTED IN THE CONTRACT DOCUMENTS. CODES SHALL BE THE LATEST ISSUE, INCLUDING SUPPLEMENTS, UNLESS OTHERWISE NOTED.
3. THESE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD, MEANS, OR PROCEDURES OF CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE AND ADJACENT INFRASTRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT ARE NOT LIMITED TO, BRACING AND/OR SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT.
4. THE VERTICAL DATUM IS BASED UPON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).VERTICAL DATUM CONVERSIONS WERE FOUND USING NOAA VDATUM SOFTWARE (V4.0) AT GEOGRAPHIC COORDINATES 234,571.300744 N, 190,538.801621 E (NEW JERSEY STATE PLANE, FT).

TIDAL DATA	ABBREV.	ELEVATION (FT)
MEAN HIGHER HIGH WATER	MHHW	3.21
MEAN HIGH WATER	MHW	2.80
NORTH AMERICAN VERTICAL DATUM OF 1988	NAVD88	0.00
MEAN LOW WATER	MLW	-2.94
MEAN LOWER LOW WATER	MLLW	-3.12

5. HORIZONTAL DATUM: NAD 1983 NEW JERSEY STATE PLANE COORDINATE SYSTEM.
6. CONFIRM HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS WITH OWNER PRIOR TO START OF CONSTRUCTION.
7. SURVEY OF THE SALEM AND HOPE CREEK GENERATING STATION BY PSE&G AND 2008 USGS SOUTH NEW JERSEY COUNTY PROJECT LIDAR AND TOPOGRAPHIC SURVEY PERFORMED BY JOHNSON, MIRMIRAN & THOMPSON DATED MAY 25, 2021.
8. GEOTECHNICAL INVESTIGATIONS WERE PERFORMED BY DUFFIELD IN 2020. BORING LOCATIONS AND BORING LOGS ARE PRESENTED IN THE DRAWINGS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE CONSTRUCTION SITE AND THE AREAS OF WORK WHILE PERFORMING THE WORK OF THIS CONTRACT. CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE CONSTRUCTION SITE ON A DAILY BASIS. NO BURNING OF DEBRIS SHALL BE PERMITTED.
10. DURING ALL PHASES OF THE WORK ALL PRECAUTIONS SHALL BE TAKEN AS NECESSARY OR AS REQUIRED TO PERMANENTLY PREVENT CONTAMINATED WATER, VEHICLE FLUIDS, CONSTRUCTION DEBRIS, AND ANY OTHER CONTAMINANT FROM ENTERING THE WATERWAY.
11. CONTRACTOR SHALL PROVIDE AS-BUILT SURVEY AND DRAWINGS OF COMPLETED WORK TO ENGINEER. AS-BUILTS SHALL BE BOTH HARD COPY AND ELECTRONIC FORMAT (PDF AND NATIVE / CAD VERSION).
12. THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK.
13. THE ACCURACY OF EXISTING STRUCTURES SHOWN ON PLANS ARE NOT GUARANTEED. ACTUAL FIELD CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO FABRICATION OF MATERIALS, ORDERING MATERIALS, OR PERFORMING WORK.
14. ALL EXCAVATION, TRENCHING, SHEETING, SHORING AND BRACING SHALL BE INSTALLED AS REQUIRED IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING OSHA.
15. THE LOCATION OF UTILITIES AND STRUCTURES SHOWN HEREIN HAS BEEN TAKEN FROM AVAILABLE RECORDS. OWNER DOES NOT WARRANT THE COMPLETENESS OR CORRECTNESS OF THEIR LOCATIONS, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND VERIFY ALL UTILITIES AND STRUCTURES WHETHER SHOWN HERERIN OR NOT, BEFORE COMMENCING WORK, AND PROTECT THEM FROM DAMAGE. SHOULD UTILITIES OR STRUCTURES BE ENCOUNTERED THAT ARE NOT INDICATED, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
16. THE CONTRACTOR SHALL VERIFY AND COORDINATE WITH ENGINEER ANY UTILITY LINES AND EQUIPMENT THAT MAY INTERFERE WITH THE WORK.
17. ALL TEMPORARY UTILITIES NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED AT THE EXPENSE OF THE CONTRACTOR.
18. CONSTRUCTION LOADS AND SUPPORTS:
    A. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONDITION SURVEY AND PREPARATION OF CALCULATIONS TO CONFIRM THE EXISTING STRUCTURE'S CAPACITY FOR THE ANTICIPATED CONSTRUCTION LOADS.
    B. PROVIDE TEMPORARY SUPPORT TO EXISTING STRUCTURES AS REQUIRED TO MAINTAIN STABILITY, ALIGNMENT, AND LOCATION, AVOID UNDUE STRESS, AND PREVENT DAMAGE PRIOR TO AND DURING REMOVAL, REPAIR AND/OR CONSTRUCTION.

ENVIRONMENTAL PROTECTION

1. THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE UPON COMPLETION OF THE PROJECT ALL NECESSARY ENVIRONMENTAL PROTECTION AND WATER CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO SEDIMENT CONTROL DEVICES, CHECK DAMS, FLOATS, STAGING, TARPAULINS, AND OTHER DEVICES NECESSARY TO PREVENT SOILS, SEDIMENTS, AND OTHER CONSTRUCTION-RELATED MATERIAL FROM ENTERING THE WATER AND LEAVING THE IMMEDIATE VICINITY OF THE SITE.
2. DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL CONDUCT OPERATIONS IN SUCH A MANNER AS TO MINIMIZE OR PREVENT ANY DAMAGE TO THE WATERWAY FROM POLLUTION BY DEBRIS, SEDIMENT, OR OTHER FOREIGN MATERIAL OR FROM THE MANIPULATION OF EQUIPMENT AND/OR MATERIALS.
3. THE CONTRACTOR SHALL NOT RETURN DIRECTLY TO THE ADJACENT WATERWAY ANY EFFLUENT THAT HAS BEEN USED FOR WASH PURPOSES OR OTHER SIMILAR OPERATIONS WHICH MAY CAUSE THIS WATER TO BECOME POLLUTED WITH SAND, SILT, CEMENT, OIL, OR OTHER IMPURITIES. SHOULD WATER BE SO USED ON SITE FOR CONSTRUCTION PURPOSES, THE CONTRACTOR SHALL CONTROL THE DISCHARGE OF SUCH WATER THROUGH THE USE OF WHATEVER DEVICES NECESSARY TO PROTECT AND MAINTAIN WATER QUALITY, TO SUSTAIN FISH LIFE, AND OTHERWISE PROTECT THE ENVIRONMENT.
4. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR CLEANUP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA.
5. THE CONTRACTOR SHALL SUBMIT A PROPOSED ENVIRONMENTAL PROTECTION AND WATER CONTROL PLAN TO THE ENGINEER FOR APPROVAL BEFORE WORK IS STARTED. SAID PLAN SHALL INCLUDE PROCEDURES FOR ENVIRONMENTAL PROTECTION AND WATER CONTROL IN RELATION TO DEMOLITION AND REMOVAL ACTIVITIES, CONSTRUCTION AND INSTALLATIONS, COORDINATION WITH OTHER WORK IN PROGRESS, A DESCRIPTION OF METHODS AND EQUIPMENT TO BE USED FOR EACH OPERATION, AND OF SEQUENCE OF OPERATIONS.
6. THE CONTRACTOR SHALL ABIDE BY ALL ENVIRONMENTAL PROTECTION REQUIREMENTS AND OTHER STIPULATIONS AND CONDITIONS STATED IN THE PROJECT PERMITTING, INCLUDING BUT NOT LIMITED TO THOSE CONCERNING CONFORMANCE WITH PLANS, MATERIAL DISPOSAL, MATERIAL AND EQUIPMENT STORAGE, SPILL REPORTING, PRECAUTIONS AGAINST CONTAMINATION OF WATERS, SEDIMENT AND EROSION CONTROL AND ALL OTHER SPECIAL CONDITIONS.
7. THESE NOTES AND OTHER ASSOCIATED DOCUMENTS WILL BE AMENDED UPON RECEIPT OF AGENCY PERMITS, AND STIPULATIONS STATED THEREIN.

SEQUENCE OF CONSTRUCTION:

1. INSTALL EROSION AND SEDIMENT CONTROL DEVICES. INSTALL STONE ACCESS ROAD.
2. INSTALL PUMP, PIPELINE AND SEDIMENT CONTROL BAG. PUMP OUT WATER FROM WITHIN THE SITE. GRADE THE SITE TO PROMOTE DRAINAGE TO THE PUMP.
3. CLEAR SITE OF VEGETATION AND BUILDING DEBRIS.
4. RELOCATE EXISTING UTILITIES AND DEMOLISH ABANDONED UTILITIES.
5. EXCAVATE BORROW MATERIAL FROM WITHIN PARCEL E TO CONSTRUCT DIKES AND SLOPE ACCESS ROAD. VEGETATE EXTERIOR DIKE SLOPES.
6. INSTALL STONE DIKE ROAD.
7. INSTALL SPILLWAY STRUCTURE INCLUDING CONCRETE FOUNDATION, STEEL STRUCTURE PIPELINE AND ROCK OUTFALL SCOUR PROTECTION.
8. WHEN SITE IS STABILIZED, REMOVE EROSION AND SEDIMENT CONTROL DEVICES.

PERMITTING PACKAGE
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PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

INDEX OF DRAWINGS, GENERAL NOTES, & SEQUENCE OF CONSTRUCTION

Date: 2023-01-31	Rev: -		
M&N Project No. 11102-33			
Drawing scale:			
Drawing Scale:			
Plot scale: 1:1 (0 SHEET)			
Designed by: PWK	Cad by: PGV	Reviewed by: LC	Submitted by: F. GONZALEZ CHANA MOFFATT & NICHOL

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY — Thomas J. Shafer — 38102 — PROFESSIONAL ENGINEER — 2023.02.06 16:31:51 -05'00'
SEAL

Sheet Reference No.
G-002
INDEX: 2 OF 27

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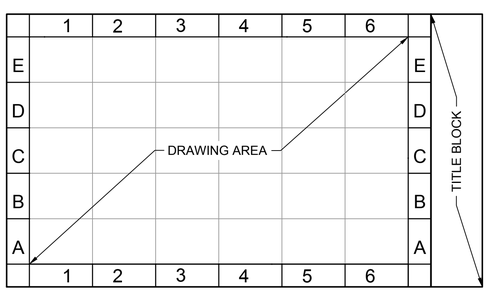
DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

ABBREVIATIONS

A	AIR, AMPERE or AMMETER
AB	ANCHOR BOLT or AGGREGATE BASE
ABAND	ABANDONED
ABBR	ABBREVIATION
ABUT	ABUTMENT
ABV	ABOVE
AC	ASPHALT CONCRETE, AIR COMPRESSOR or ALTERNATING CURRENT
A/C	AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALUM	ALUMINUM
AMPS	AMPERES
APPROX	APPROXIMATE
AS	AMPERE SWITCH
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
AWG	AMERICAN WIRE GAGE
BAV	BALL VALVE
BB	BEGIN BRIDGE
BD	BOARD
BF	BLIND FLANGE
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BLKG	BLOCKOUT
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICE
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BR	BRASS
BTU	BRITISH THERMAL UNITS
BVC	BEGIN VERTICAL CURVE
BW	BACK OF WALK
C	CONDUIT or CONTROL
CA	CEMENT ASBESTOS or COMPRESSED AIR
CAB	CRUSHED AGGREGATE BASE
CB	CATCH BASIN
CDF	CONFINED DISPOSAL FACILITY
CF	CUBIC FEET
C&G	CURB AND GUTTER
CKT	CIRCUIT
CJ	CONSTRUCTION JOINT
CLR	CLEAR
CO	CLEANOUT or CONDUIT ONLY COL COLUMN
CONC	CONCRETE
COND	CONDUIT
CONN	CONNECTOR
CONST	CONSTRUCTION
CONT	CONTINUOUS or CONTINUE
CPT	CONE PENETRATION PROBE
CT	COOPER TUBE, CERAMIC TILE or CURRENT TRANSFORMER
CU	CUBIC or COPPER
CV	CHECK VALVE
CW	COLD WATER
D	DRAIN
DET	DETAIL
DGA	DENSE GRADED AGGREGATE
DI	DUCTILE IRON
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DIM	DIMENSION
DMCF	DREDGED MATERIAL CONTAINMENT FACILITY
DS	DIVERSION STRUCTURE
DWGS	DRAWINGS
E	EAST
EA	EACH
EF	EACH FACE
EG	EXISTING GROUND
EJ	EXPANSION JOINT
EL	ELEVATION
ELL	ELBOW
ELECT	ELECTRICAL
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EPR	ETHYLENE-PROPYLENE-RUBBER
EQUIP	EQUIPMENT
ES	EACH SIDE
ESC	EROSION AND SEDIMENT CONTROL
EVC	END VERTICAL CURVE
EW	EACH WAY or EXISTING WATER
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F	FRAME, FLANGE or FUEL
FA	FIRE ALARM
FG	FINAL GRADE, FINISHED GRADE or FINISHED GROUND
FH	FIRE HYDRANT
FIN	FINISH
FL	FLOW LINE
FLR	FLOOR
FND	FOUNDATION
FR	FUEL RETURN
FS	FINISHED SURFACE or FUEL SUPPLY
FT	FOOT or FEET
FTG	FOOTING
FU	FUSE
GA	GAGE
GAL	GALLON
GALV	GALVANIZED
GASB	GRADED AGGREGATE SUB BASE
GB	GRADE BREAK
GI	GALVANIZED IRON
GL	GLASS
GND	GROUND
GPM	GALLONS PER MINUTE
GV	GATE VALVE
HB	HOSE BIBB
HD	HEAD
HM	HOLLOW METAL
HNDRL	HANDRAIL
HORIZ	HORIZONTAL
HP	HORSE POWER or HIGH PRESSURE
HPS	HIGH PRESSURE SODIUM
HR	HOUR
HTR	HEATER
HW	HOT WATER
Hz	HERTZ
ID	INSIDE DIAMETER
INS	INSULATOR
INT	INTERIOR
INV	INVERT
IPS	INSIDE PIPE SIZE
JB	JUNCTION BOX
JS	JUNCTION STRUCTURE
JT	JOINT
KSI	KIPS PER SQUARE INCH
kV	KILOVOLTS
kVA	KILOVOLT-AMPERES
kW	KILOWATTS
kWHM	KILOWATT HOUR METER
LA	LIGHTING ARRESTOR
LAT	LATERAL
LB	POUND
LD	LOCAL DEPRESSION
LF	LINEAR or LINEAL FEET
LG	LONG
LT	LIGHT
LTG	LIGHTING
MATL	MATERIAL
MAX	MAXIMUM
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
MET	METAL
MH	MANHOLE
MHW	MEAN HIGH WATER
MHHW	MEAN HIGHER HIGH WATER
MIN	MINIMUM
MLW	MEAN LOW WATER
MLLW	MEAN LOWER LOW WATER
MON	MONUMENT
MSL	MEAN SEA LEVEL
MTD	MOUNTED
N	NORTH
NAVD	NORTH AMERICAN VERTICAL DATUM
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NGVD	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
NJDEP	NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
NO	NUMBER
NOS	NATIONAL OCEAN SERVICE
NTS	NOT TO SCALE
NPT	NATIONAL PIPE THREAD
OBS	OBSTRUCTION
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTFALL
OG	ORIGINAL GRADE
OH	OVERHEAD
OPP	OPPOSITE
OVD	OVERDEPTH
PB	PULL BOX
PC	PIPE CLAMP, PRECAST CONCRETE or POINT of CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PCF	POUND PER CUBIC FOOT
PG	PRESSURE GAUGE
PI	POINT of INTERSECTION
PL	PLATE
PLAS	PLASTIC or PLASTER
PM	POWER MOUND or METER
PNL	PANEL
POB/POE	POINT OF BEGINNING / END
POC	POINT OF CONNECTION or POINT ON CURVE
POT	POINT ON TANGENT
POV	POINT ON VERTICAL CURVE
PRC	PIONT of REVERSE CURVE
PRESS	PRESSURE
PRI	PRIMARY
PRVC	POINT of REVERSE VERTICAL CURVE
PS	PIPE SUPPORT or PRESSURE SWITCH
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT or POINT of TANGENCY
P&T	PRESSURE AND TEMPERATURE
PV	PLUG VALVE
PVC	POINT of VERTICAL CURVATURE or POLYVINYL CHLORIDE
PVD	PREFABRICATED VERTICAL DRAIN
PVI	POINT of VERTICAL INTERSECTION
PVMT	PAVEMENT
PWR	POWER
R	RADIUS or RIGID
RAD	RADIUS or RADIAL
RCP	REINFORCED CONCRETE PIPE
RECPT	RECEPTACLE
RED	REDUCER
REINF	REINFORCING
REQD	REQUIRED
RET	RETAINING
RPM	ROTATION PER MINUTE
RR	RAILROAD
RT	RIGHT
RV	RELEASE VALVE
RWL	RAIN WATER LEADER
SAN	SANITARY
SB	SWAY BRACE
SCE	STABILIZED CONSTRUCTION ENTRANCE
SCH	SCHEDULE
SD	STORM DRAIN
SDR	STANDARD DIMENSION RATIO
SEC	SECONDARY
SECT	SECTION
SF	SQUARE FOOT or FEET
SHLDR	SHOULDER
SHT	SHEET
SIM	SIMILAR
SP	SPARE
SPA	SPACE
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL or SANITARY SEWER
SSF	SUPER SILT FENCE
STA	STATION
STD	STANDARD
STL	STEEL STRUCT STRUCTURAL
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
TC	TOP OF CURB
TELE	TELEPHONE
TEMP	TEMPERATURE or TEMPORARY
THD	THREAD
THRU	THROUGH
TLT	TOILET
TOS	TOP OF STEEL
TOT	TOTAL
TRNSFMR	TRANSFORMER
TRANSV	TRANSVERSE
TYP	TYPICAL
TW	TOP OF WALL
UON	UNLESS OTHERWISE NOTED
USACE	U.S. ARMY CORPS OF ENGINEERS
UTIL	UTILITY
V	VOLT, VENT or VOLTMETER
VAR	VARIES
VCP	VITRIFIED CLAY PIPE
VERT	VERTICAL
VS	VOLTMETER SWITCH
W	WATER, WEST, WIDE or WIRE
WT	WEIGHT
WP	WEATHERPROOF or WATERPROOF
WPD	WORKING POINT DREGE
WWF	WELDED WIRE FABRIC

LEGEND

	EXISTING	PROPOSED
TREE / VEGETATION LINE		
FENCE	X	
PROPERTY LINE		
FLOODPLAN		
WETLAND		
CONTOUR	5	5
EASEMENT		
LIMIT OF DISTURBANCE		LOD
RIPRAP		
FRESHWATER WETLAND		
UPPER WETLAND BOUNDARY (UWB)	UWB	
BUOY		
LIMIT OF WORK		
SUPER SILT FENCE		SSF



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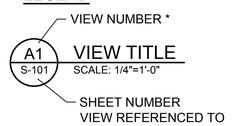
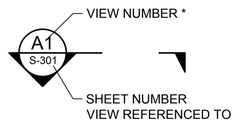
LEGEND





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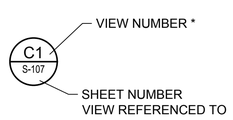
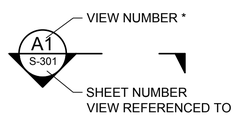


DETAIL CALLOUT

SECTION CUT



ELEVATION VIEW

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DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

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SALEM COUNTY, NJ

LEGEND AND ABBREVIATIONS

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NEW JERSEY WIND PORT
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STATE OF NEW JERSEY
Thomas Shafer
39102
LICENSED PROFESSIONAL ENGINEER
2023.02.06 16:39:55 -05'00'
SEAL

Sheet Reference No.
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A1 / G-101 PLAN - GENERAL ARRANGEMENT AND LIMIT OF WORK
1" = 140'

NOTES

1. INTERNAL CELL TO BE CONSTRUCTED WITHIN CDF, AND TO BE OPERATED AND MANAGED BY PSEG.

LEGEND

LOW LIMIT OF WORK

140' 0' 140' 280'

SCALE: 1"=140'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - GENERAL ARRANGEMENT AND LIMIT OF WORK

Designed by: PWK
Drawn by: HR
Checked by: PGV
Reviewed by: LC
Submitted by: F. GONZALEZ CHANA, MOFFATT & NICHOL
Date: 2023-01-31
Rev: -
M&N Project No. 11102-33
Drawing code:
Drawing Scale: 1:1 (D SHEET)
Plot scale: 1:1 (D SHEET)

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY — Thomas J. Shafer — 39100 — LICENSED PROFESSIONAL ENGINEER
2023.02.28 16:34:58 -05'00'
SEAL

Sheet Reference No.
G-101
INDEX: 4 OF 27

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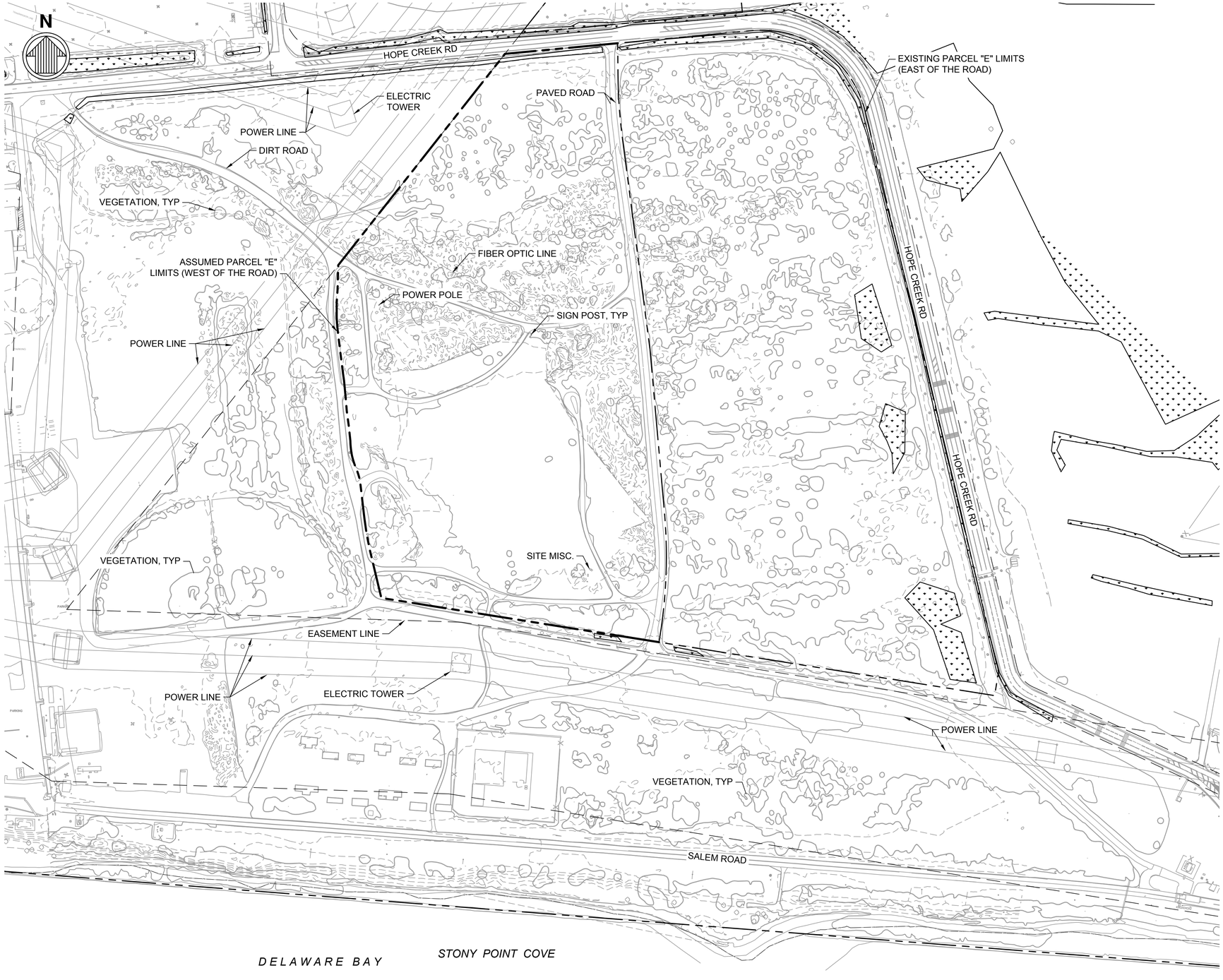

LEGEND

EXISTING VEGETATION

EXISTING WETLAND

A1 / G-102 PLAN - PARCEL 'E' - EXISTING WETLAND
1" = 140'

140' 0' 140' 280'

SCALE: 1"=140'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - PARCEL 'E' - EXISTING WETLAND

Designed by: PWK
Drawn by: HR
Checked by: PGV
Reviewed by: LC
Submitted by: F. GONZALEZ CHANA MOFFATT & NICHOL
Date: 2023-01-31
M&N Project No. 11102-33
Drawing code:
Drawing Scale:
Plot scale: 1:1 (D SHEET)
Rev: -

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-298-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY — THOMAS J. SHAFER — 39102 — LICENSED PROFESSIONAL ENGINEER
Thomas J. Shafer 2023.02.06 16:35:02 -05'00'
SEAL

Sheet Reference No.
G-102
INDEX: 5 OF 27

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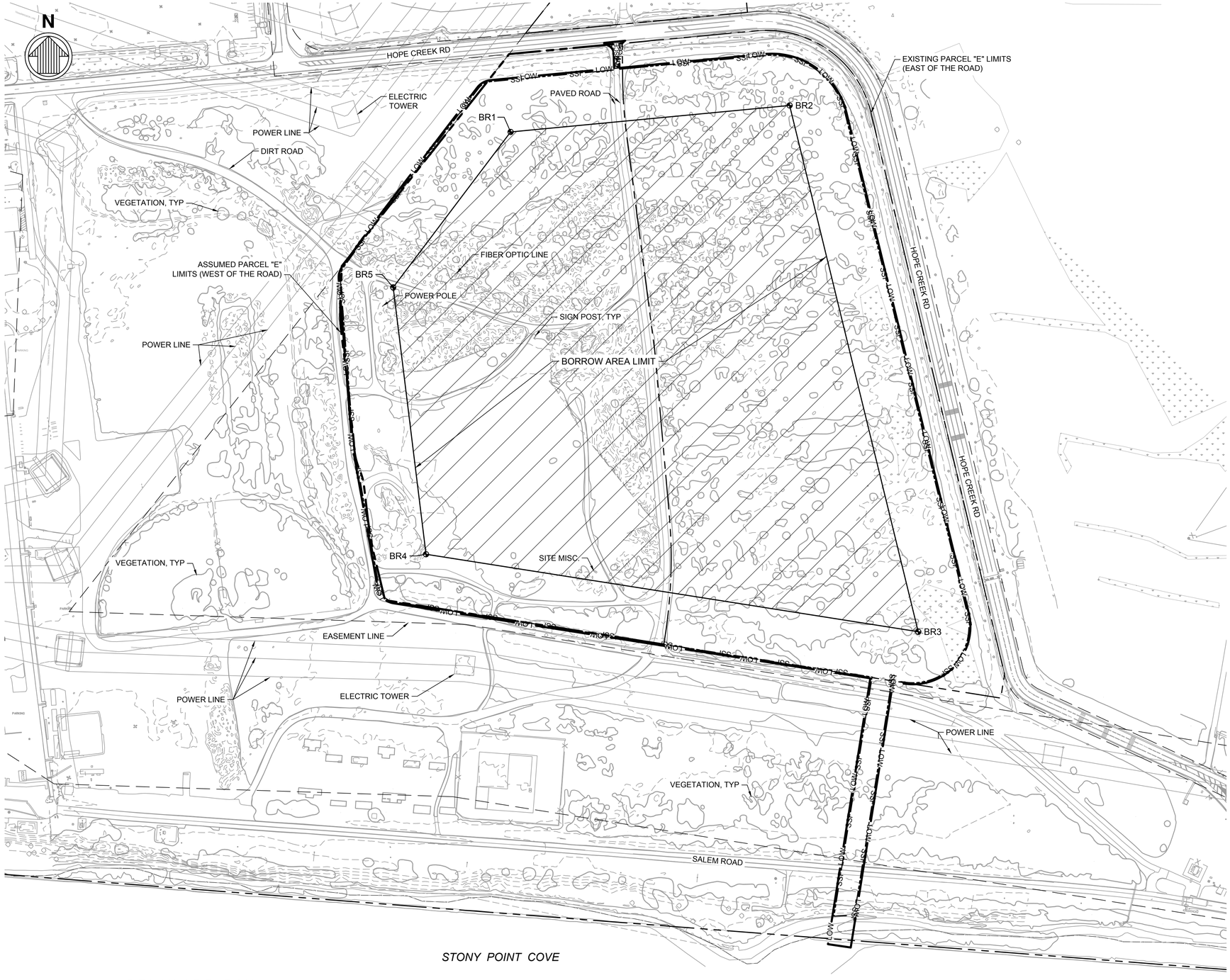

A1 / G-103 PLAN - ESC PARCEL 'E' BORROW AREA
1" = 140'

BORROW AREA WORKING POINT		
POINT #	NORTHING	EASTING
BR1	232223	202369
BR2	232292	203096
BR3	230920	203431
BR4	231122	202148
BR5	231818	202063

LEGEND

- EXISTING VEGETATION
- LIMIT OF WORK
- SSF — SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE

140' 0' 140' 280'

SCALE: 1"=140'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - ESC PARCEL 'E' BORROW AREA

Designed by: PWK
Drawn by: HR
Checked by: PGV
Reviewed by: LC
Submitted by: F.GONZALEZ.CHANA MOFFATT & NICHOL
Date: 2023-01-31
M&N Project No. 11102-33
Drawing code:
Drawing Scale:
Plot scale: 1:1 (D SHEET)
Rev: -

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-298-7330

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY — THOMAS J. SHAFER — 39102 — LICENSED PROFESSIONAL ENGINEER
Thomas J. Shafer
2023.02.06 16:35:05 -05'00'
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Sheet Reference No.
G-103
INDEX: 6 OF 27

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DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

A1 / B-101 PLAN - TEST PIT LOCATIONS
1" = 140'

LEGEND

EXISTING VEGETATION

AE-TP-01 EXISTING TEST PIT PERFORMED BY DUFFIELD ASSOCIATES IN FEBRUARY, 2021.

140' 0' 140' 280'

SCALE: 1"=140'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - TEST PIT LOCATIONS

Designed by: PWK
Drawn by: HR
Checked by: PGV
Reviewed by: LC
Submitted by: F. GONZALEZ-CHANA MOFFATT & NICHOL
Date: 2023-01-31
M&N Project No. 11102-33
Drawing code:
Drawing Scale:
Plot scale: 1:1 (D SHEET)
Rev: -

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-298-7330

NEW JERSEY WIND PORT
NJEDA

Thomas J. Shafer
39102
2023.02.06 16:35:09-05'00'
SEAL

Sheet Reference No.
B-101
INDEX: 7 OF 27

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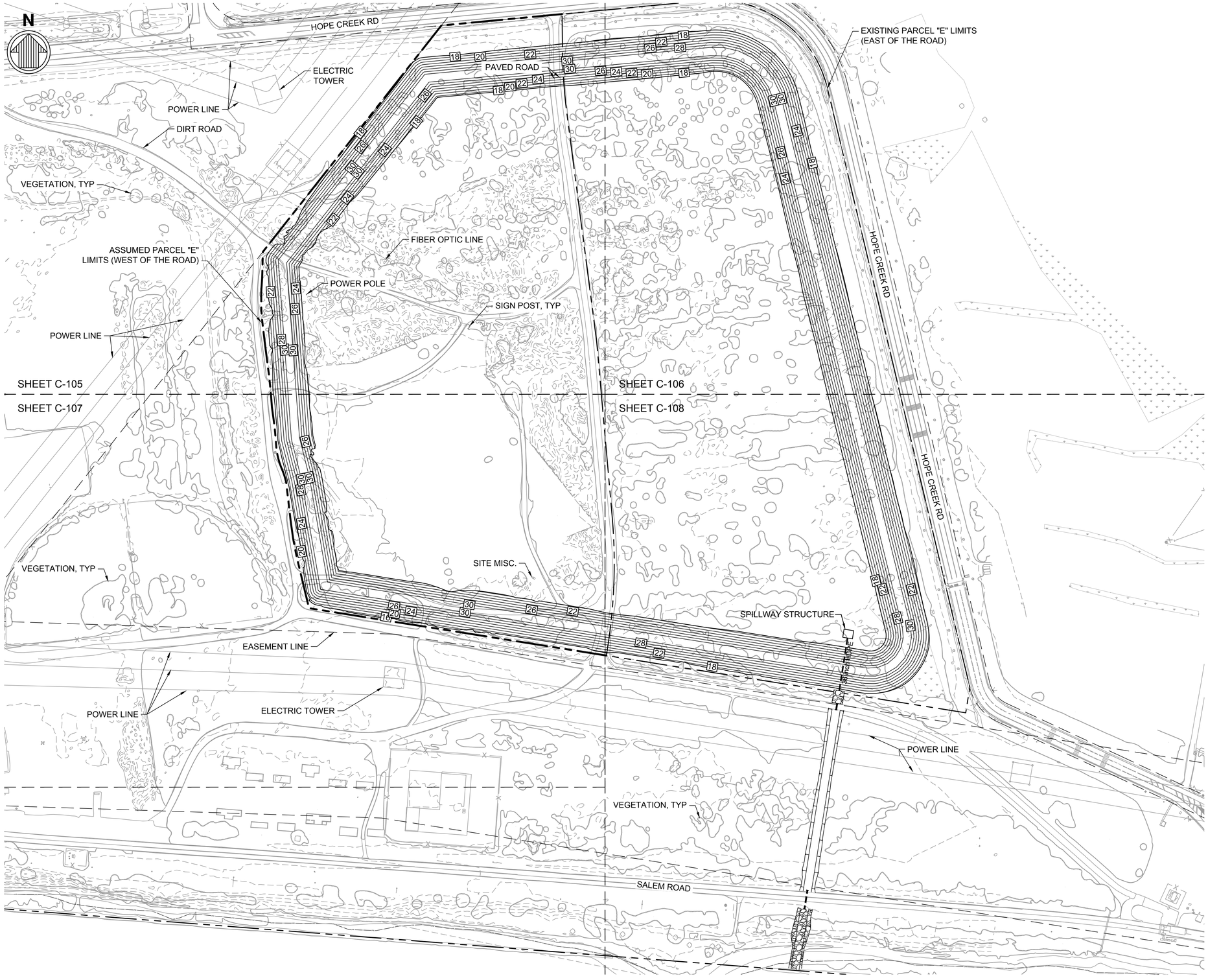

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - KEY MAP

Rev: -
Date: 2023-01-31
M&N Project No: 11102-33
Drawing date:
Drawing Scale:
Designed by: PWK
Drawn by: HR
Cad by: PGV
Reviewed by: LC
Submitted by: F. GONZALEZ CHANA MOFFATT & NICHOL
Plot scale: 1:1 (10 SHEET)

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY
Thomas P. Shafer
24102
LICENSED PROFESSIONAL ENGINEER
2023.02.06 16:39:12 -05'00'
SEAL

Sheet Reference No.
C-101
INDEX: 8 OF 27

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SITE PREPARATION NOTES:

1. REMOVE EXISTING VEGETATION TO CLEAR SITE.
2. DISPOSE OFFSITE AS DIRECTED BY ENGINEER.
3. GRADE SITE TO DRAIN AND DEWATER SITE.
4. PERFORM PUMPING TO LOWER GROUND-WATER ELEVATION AS NEEDED FOR BORROW EXCAVATION.

LEGEND

EXISTING VEGETATION

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - EXISTING CONDITIONS AND SITE PREPARATION

Rev: -
Date: 2023-01-31
M&N Project No. 11102-33
Drawing code:
Drawing Scale:
Plot scale: 1:1 (D SHEET)
Designed by: PWK
Drawn by: HR
Cad by: PGV
Reviewed by: LC
Submitted by: F. GONZALEZ CHANA MOFFATT & NICHOL

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY — Thomas J. Shafer — 39100 — LICENSED PROFESSIONAL ENGINEER
2023.02.08 16:38:00
SEAL

Sheet Reference No.
C-102
INDEX: 9 OF 27

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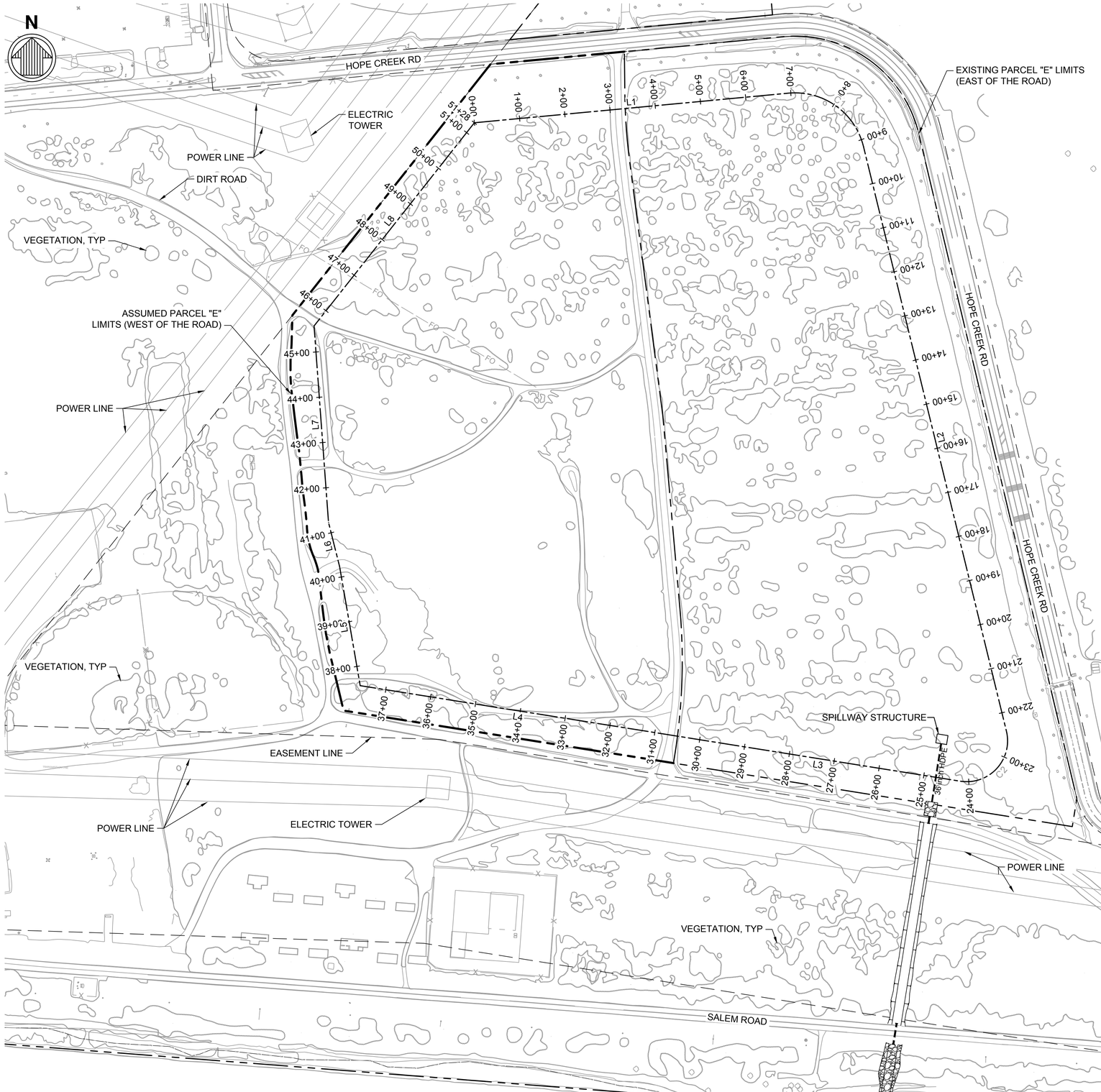

ALIGNMENT - DIKE E CENTERLINE				
Number	Radius	Length	Line/Chord Direction	A Value
L1		694.88	N84° 36' 39.75"E	
C1	155.00	220.89	S54° 33' 46.57"E	
L2		1325.45	S13° 44' 12.88"E	
C2	90.00	177.52	S42° 32' 28.65"W	
L3		630.05	N80° 57' 09.00"W	
L4		708.26	N80° 57' 09.00"W	
L5		265.81	N9° 48' 07.64"W	
L6		100.76	N14° 05' 03.34"W	
L7		433.87	N4° 12' 32.38"W	
L8		570.08	N38° 16' 15.00"E	

240' 0' 120' 240'

SCALE: 1"=120'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - SITE GEOMETRY AND COORDINATE DATA

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

Designed by:	PWK
Drawn by:	HR
Cad by:	PGV
Reviewed by:	LC
Submitted by:	F GONZALEZ CHANA MOFFATT & NICHOL
Date:	2023-01-31
M&N Project No.	11102-33
Drawing code:	
Drawing Scale:	
Plot scale:	1:1 (D SHEET)
Rev.	-

STATE OF NEW JERSEY
Thomas J. Shafer
39108
PROFESSIONAL ENGINEER
2023.02.16 16:35:20 -05'00'
SEAL

Sheet Reference No.
C-104
INDEX: 10 OF 27

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

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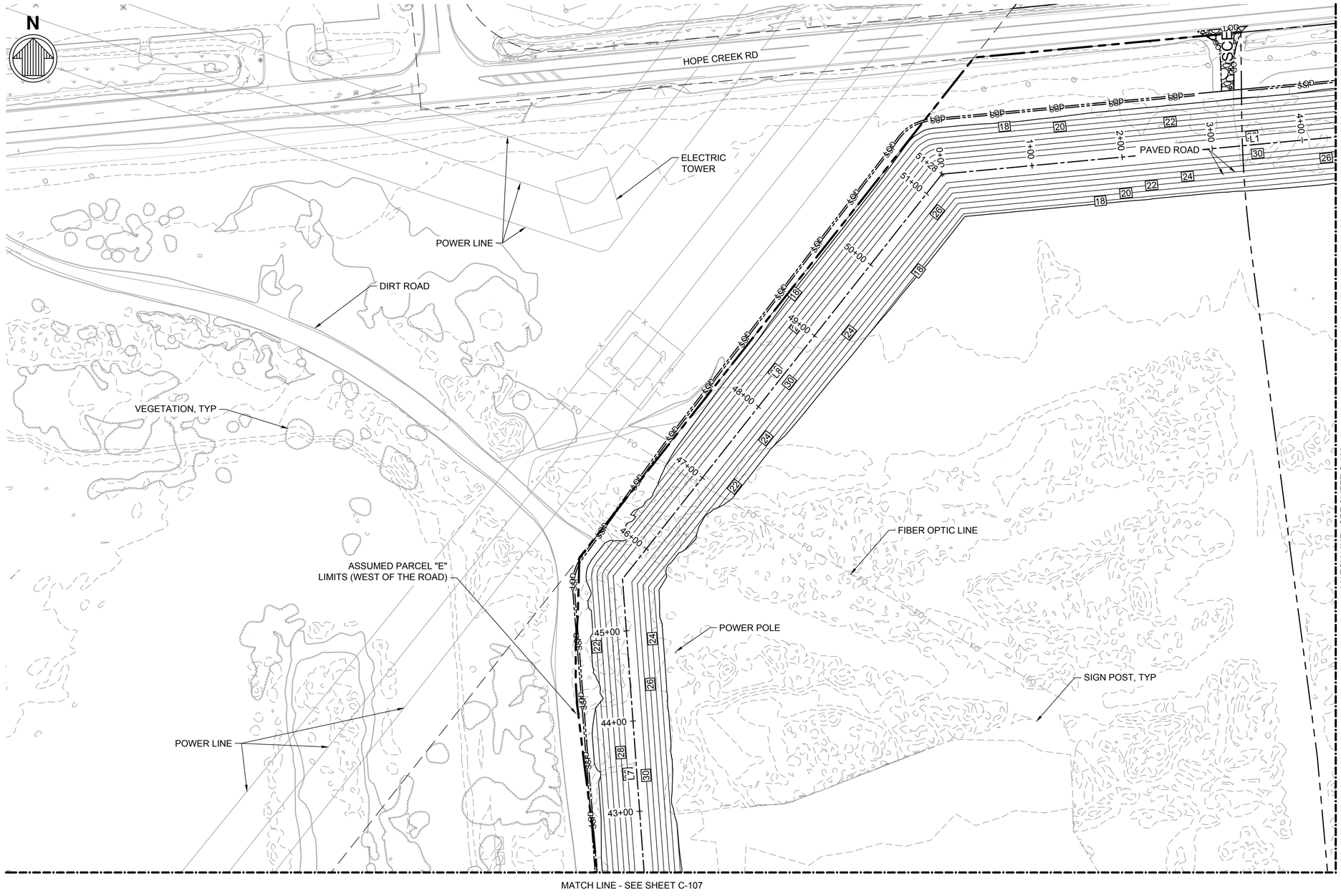

LEGEND

- EXISTING VEGETATION
- LIMIT OF WORK
- SSF — SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE

B1 / C-105 — PLAN - CDF GRADING AND ESC (1 OF 4)
SCALE: 1" = 60'

120' 0' 60' 120'
SCALE: 1"=60'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - CDF GRADING AND ESC (1 OF 4)

Mark	Description	Date	Appr

Rev.	-
Date:	2023-01-31
M&N Project No.	11102-33
Drawing code:	
Drawing Scale:	
Plot scale:	1:1 (D SHEET)
Designed by:	PWK
Drwn by:	HR
Cad by:	PGV
Reviewed by:	LC
Submitted by:	F GONZALEZ, CHANA MOFFATT & NICHOL

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-399-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY
Thomas J. Shafer
39108
PROFESSIONAL ENGINEER
2023.02.08 16:35:27 -05'00'
SEAL

Sheet Reference No.
C-105
INDEX: 11 OF 27

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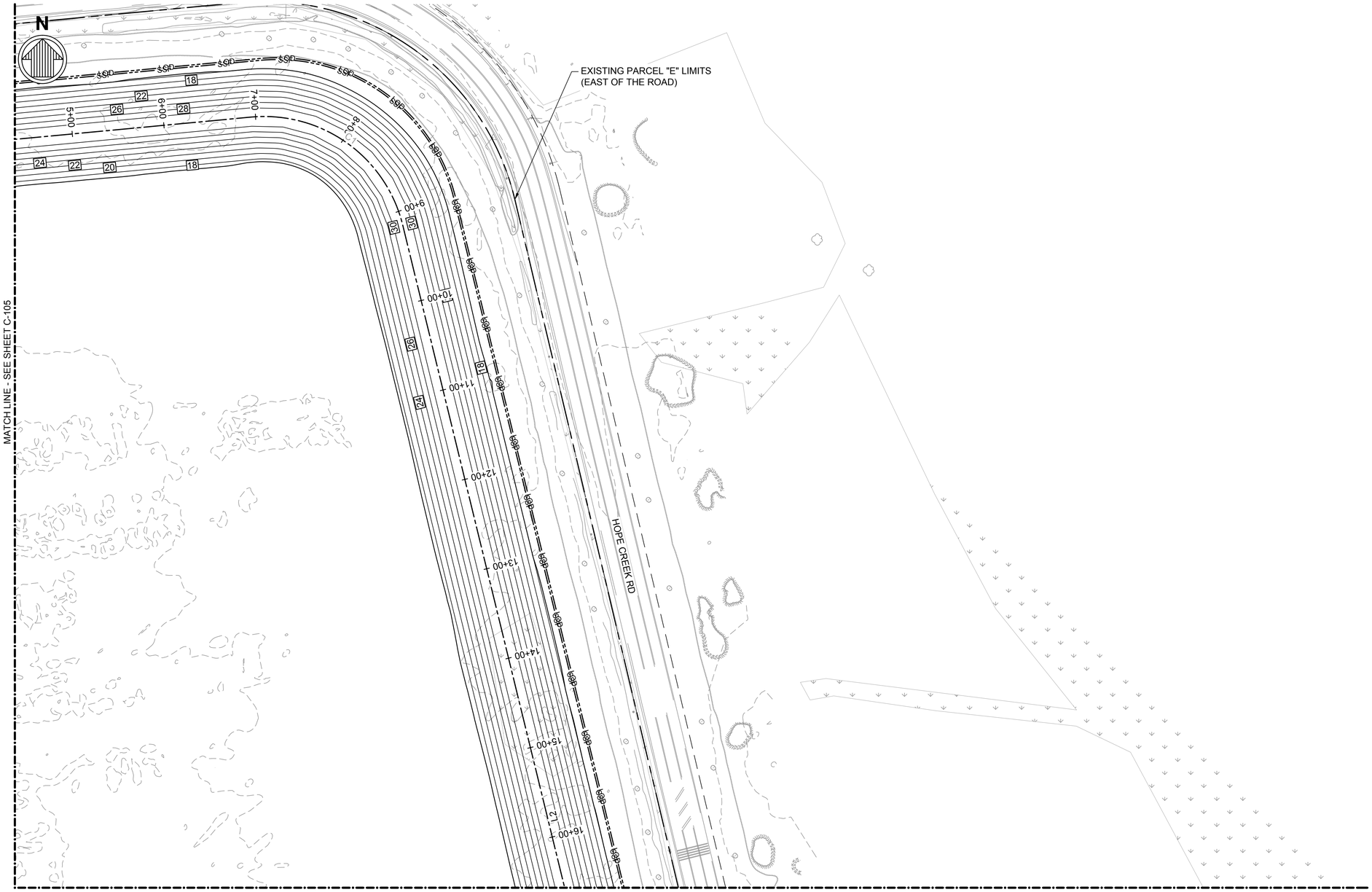

B1 / C-106 PLAN - CDF GRADING AND ESC (2 OF 4)
SCALE: 1" = 60'

LEGEND

- EXISTING VEGETATION
- LIMIT OF WORK
- SSF — SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE

120' 0' 60' 120'
SCALE: 1"=60'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - CDF GRADING AND ESC (2 OF 4)

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

Designed by: PWK
Drawn by: HR
Checked by: PGV
Reviewed by: LC
Submitted by: F GONZALEZ CHANA MOFFATT & NICHOL
Date: 2023-01-31
M&N Project No. 11102-33
Drawing code:
Drawing Scale:
Plot scale: 1:1 (D SHEET)
Rev. -

STATE OF NEW JERSEY
Thomas J. Shafer
39108
PROFESSIONAL ENGINEER
2023.02.16 16:35:05 -05'00'
SEAL

Sheet Reference No.
C-106
INDEX: 12 OF 27

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MATCH LINE - SEE SHEET C-105

N

42+00
41+00
40+00
39+00
38+00
37+00
36+00
35+00
34+00
33+00
32+00
31+00

VEGETATION, TYP

SITE MISC.

EASEMENT LINE

TRANSMISSION LINE

POWER LINE

ELECTRIC TOWER

MATCH LINE - SEE SHEET C-105

LEGEND

- EXISTING VEGETATION
- LIMIT OF WORK
- SSF — SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE

B1 / C-107 PLAN - CDF GRADING AND ESC (3 OF 4)
SCALE: 1" = 60'

120' 0' 60' 120'
SCALE: 1"=60'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - CDF GRADING AND ESC (3 OF 4)

Date: 2023-01-31
Rev.: -
M&N Project No.: 11102-33
Drawing scale:
Designed by: PWK
Cad by: PGV
Dwn by: HR
Reviewed by: LC
Submitted by: F. GONZALEZ CHANA MOFFATT & NICHOL
Drawing Scale:
Plot scale: 1:1 (D SHEET)

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7300

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY — Thomas J. Shafer — 38102 — LICENSED PROFESSIONAL ENGINEER
2023.02.06 16:32:05 -05'00'
SEAL

Sheet Reference No.
C-107
INDEX: 13 OF 27

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DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

MATCHLINE - SEE SHEET C-106

MATCH LINE - SEE THIS SHEET BELOW

MATCH INE - SEE SHEET C-107

HOPE CREEK RD

SPILLWAY STRUCTURE

SEE ENLARGED PLAN ON C-401

POWER LINE

MATCH LINE - SEE THIS SHEET ABOVE

SEE ENLARGED PLAN ON C-401

LEGEND

- EXISTING VEGETATION
- LIMIT OF WORK
- SSF — SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE

B1 / C-108 PLAN - CDF GRADING AND ESC (4 OF 4)
SCALE: 1" = 60'

120' 0' 60' 120'
SCALE: 1"=60'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - CDF GRADING AND ESC (4 OF 4)

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

Designed by: PWK
Drawn by: HR
Checked by: PGV
Reviewed by: LC
Submitted by: F GONZALEZ, CHANA MOFFATT & NICHOL
Date: 2023-01-31
Rev: -
M&N Project No. 11102-33
Drawing date:
Drawing Scale:
Plot scale: 1:1 (D SHEET)

STATE OF NEW JERSEY
Thomas J. Shafer
38102
PROFESSIONAL ENGINEER
2023.02.06 16:35:26 -05'00'
SEAL

Sheet Reference No.
C-108
INDEX: 14 OF 27

File: Q:\BOS\Projects\11102-33 Sitewide Permit\20 CADD_Active_CDF-E Permit\1110233-C-108 ; Plotted: 2/1/2023 7:00 PM by VOELKER, PAUL ; Saved: 2/1/2023 5:27 PM by PVOELKER

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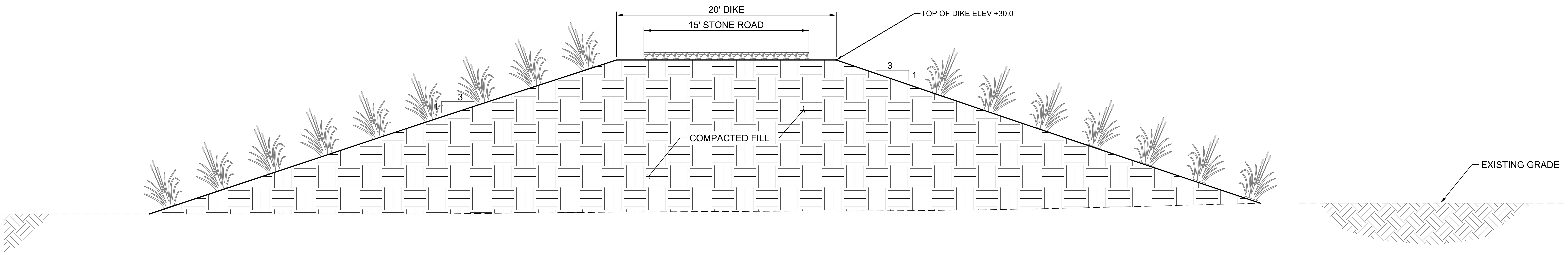

D1
C-301

SECTIONS - TYPICAL CDF

SCALE: 1" = 5'

5' 0' 5' 10'

SCALE: 1"=5'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

SECTIONS - TYPICAL CDF

Designed by: PWK		Date: 2023-01-31	Rev: -
Dwn by: HR	Ckd by: PGV	M&N Project No. 11102-33	
Reviewed by: LC		Drawing code:	
Submitted by: F.GONZALEZ CHANA MOFFATT & NICHOL		Drawing Scale:	Plot scale: 1:1 (D SHEET)

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330

NJEDA
NEW JERSEY WIND PORT

Thomas J. Shafer
2023.02.06
16:35:40-05'00'

SEAL

Sheet Reference No.
C-301

INDEX: 15 OF 27

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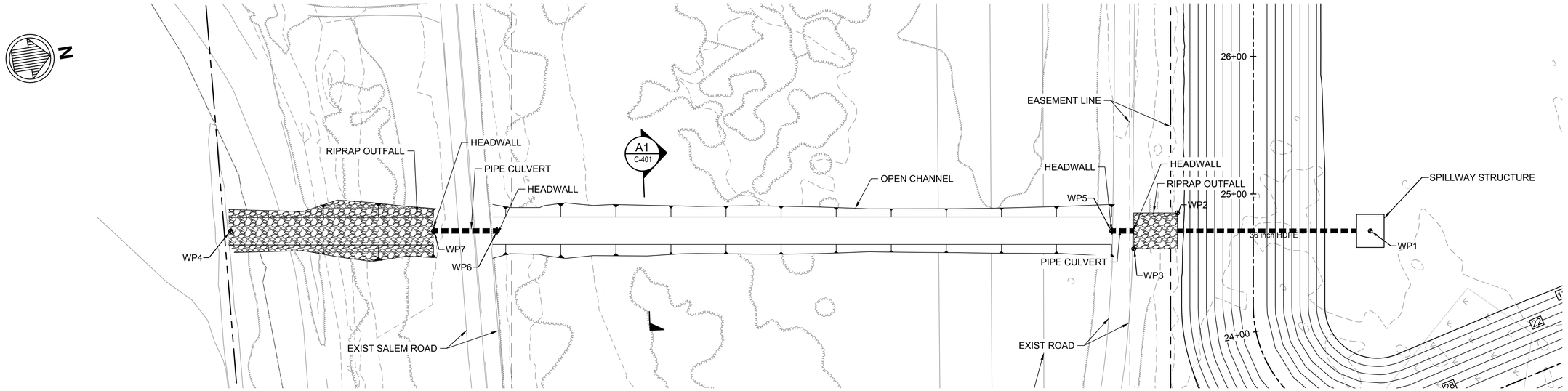
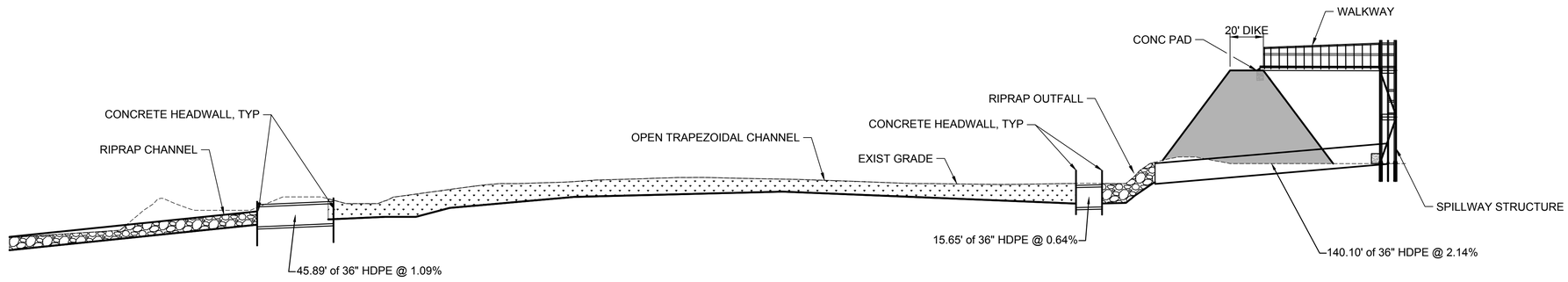
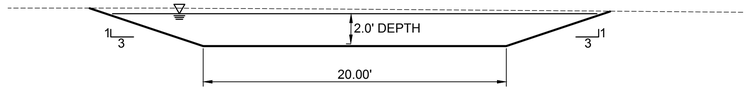


C1 / C-108 ENLARGED PLAN - SPILLWAY LOCATION AND DISCHARGE
SCALE: 1"=40'



B1 / C-401 PROFILE - SPILLWAY LOCATION AND DISCHARGE
SCALE: HORZ 1"=40' VERT 1"=10'

SPILLWAY AND DISCHARGE WORKING POINT		
POINT#	STATION	OFFSET (SIDE)
wp2	24+86.25	-55.1 (L)
wp3	24+60.25	-86.8 (L)
wp4	24+73.03	-742.7 (L)
wp1	24+73.25	85.0 (R)
wp5	24+73.25	-102.9 (L)
wp6	24+73.26	-548.9 (L)
wp7	24+73.27	-595.3 (L)



A1 / C-401 SECTION - TYPICAL CHANNEL
SCALE: 1"=5'

LEGEND

EXISTING VEGETATION

WORKING POINT

10' 0' 10' 20'
SCALE: 1"=10'

5' 0' 5' 10'
SCALE: 1"=5'

40' 0' 40' 80'
SCALE: 1"=40'

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Rev.	Date	Description	Appr
-			

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PROFILE & ENLARGED PLAN - SPILLWAY

Date: 2023-01-31
M&N Project No. 11102-33
Drawing code:
Drawing Scale:
Plot scale: 1:1 (D SHEET)

Designed by: PWK
Dwn by: HR
Cad by: PGV
Reviewed by: LC
Submitted by: F GONZALEZ, CHANA MOFFATT & NICHOL

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-399-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

Thomas J. Shafer
LICENSED PROFESSIONAL ENGINEER
39102
2023.02.08 16:35:00
SEAL

Sheet Reference No.
C-401
INDEX: 16 OF 27

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

File: Q:\BOS\Projects\11102-33 Statewide Permit\20 CADD_Active_CDF-E Permit\11102233-C-401 ; Plotted: 2/1/2023 7:03 PM by VOELKER, PAUL ; Saved: 2/1/2023 5:57 PM by PVOELKER

CUMBERLAND SALEM CONSERVATION DISTRICT

1. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND / OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY.
3. APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETE AND / OR THE AREA IS STABILIZED.
4. THE CONTRACTOR SHALL PERFORM ALL WORK, FURNISH ALL MATERIALS, AND INSTALL ALL MEASURES REQUIRED TO REASONABLY CONTROL SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE.
5. ANY DISTURBED AREA THAT IS TO BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE NEW JERSEY STANDARDS AND THEIR RATES SHOULD BE INCLUDED IN THE NARRATIVE. IF THE SEASON PROHIBITS TEMPORARY SEEDING, THE DISTURBED AREAS WILL BE MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS (I.E. PEG AND TWINE, MULCH NETTING OR LIQUID MULCH BINDER).
6. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO PROVIDE CONFIRMATION OF LIME, FERTILIZER AND SEED APPLICATION AND RATES OF APPLICATION AT THE REQUEST OF THE GLOUCESTER SOIL CONSERVATION DISTRICT.
7. ALL CRITICAL AREAS SUBJECT TO EROSION WILL RECEIVE A TEMPORARY SEEDING IN COMBINATION WITH STRAW MULCH AT A RATE OF 2 TONS PER ACRE, ACCORDING TO THE NEW JERSEY STANDARDS IMMEDIATELY FOLLOWING ROUGH GRADING.
8. THE SITE SHALL AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
9. ALL SEDIMENTATION STRUCTURES WILL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS AND AFTER EVERY STORM EVENT.
10. A CRUSHED STONE, TIRE CLEANING PAD WILL BE INSTALLED WHEREVER A CONSTRUCTION ACCESS EXISTS. THE STABILIZED PAD WILL BE INSTALLED ACCORDING TO THE STANDARD FOR STABILIZED CONSTRUCTION ACCESS.
11. ALL DRIVEWAYS MUST BE STABILIZED WITH 2 ½" CRUSHED STONE OR SUBBASE PRIOR TO INDIVIDUAL LOT CONSTRUCTION.
12. PAVED AREAS MUST BE KEPT CLEAN AT ALL TIMES.
13. ALL CATCH BASIN INLETS WILL BE PROTECTED ACCORDING TO THE CERTIFIED PLAN.
14. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
15. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA. THE SEDIMENT FILTER SHOULD BE COMPOSED OF A SUITABLE SEDIMENT FILTER FABRIC, (SEE DETAILS). THE BASIN MUST BE DEWATERED TO NORMAL POOL WITHIN 10 DAYS OF THE DESIGN STORM.
16. NJSA 4:24-39, ET SEQ, REQUIRES THAT NO CERTIFICATE OF OCCUPANCY BE ISSUED BEFORE ALL PROVISIONS OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN HAVE BEEN COMPLIED WITH FOR PERMANENT MEASURES. ALL SITE WORK FOR THE PROJECT MUST BE COMPLETED PRIOR TO THE DISTRICT ISSUING A REPORT OF COMPLIANCE AS A PREREQUISITE TO THE ISSUANCE OF A CERTICATE OF OCCUPANCY BY THE MUNICIPALITY.
17. MULCHING IS REQUIRED ON ALL SEEDED AREAS TO INSURE AGAINST EROSION BEFORE GRASS IS ESTABLISHED TO PROMOTE EARLIER VEGETATION COVER.
18. OFFSITE SEDIMENT DISTURBANCE MAY REQUIRE ADDITIONAL CONTROL MEASURES TO BE DETERMINED BY THE EROSION CONTROL INSPECTOR.
19. A COPY OF THE CERTIFIED SOIL EROSION AND SEDIMENT CONTROL PLAN MUST BE MAINTAINED ON THE PROJECT SITE DURING CONSTRUCTION.
20. THE GLOUCESTER SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY LAND DISTURBANCE.
21. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT OWNERS.
22. IMMEDIATELY AFTER THE COMPLETION OF STRIPPING AND STOCKPILING OF TOPSOIL, THE STOCKPILE MUST BE STABILIZED ACCORDING TO THE STANDARD FOR TEMPORARY VEGETATIVE COVER. STABILIZE TOPSOIL STOCKPILE WITH STRAW MULCH FOR PROTECTION IF THE SEASON DOES NOT PERMIT THE APPLICATION AND ESTABLISHMENT OF TEMPORARY SEEDING. ALL SOIL STOCKPILES ARE NOT TO BE LOCATED WITHIN FIFTY (50) FEET OF A FLOODPLAIN, SLOPE, ROADWAY OR DRAINAGE FACILITY AND THE BASE MUST BE PROTECTED WITH A SEDIMENT BARRIER.
23. ANY CHANGES TO THE SITE PLAN WILL REQUIRE THE SUBMISSION OF A REVISED SOIL EROSION AND SEDIMENT CONTROL PLAN TO THE GLOUCESTER SOIL CONSERVATION DISTRICT. THE REVISED PLAN MUST BE IN ACCORDANCE WITH THE CURRENT NEW JERSEY STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL.
24. METHODS FOR THE MANAGEMENT OF HIGH ACID PRODUCING SOILS SHALL BE IN ACCORDANCE WITH THE STANDARDS. HIGH ACID PRODUCING SOILS ARE THOSE FOUND TO CONTAIN IRON SULFIDES OR HAVE A PH OF 4 OR LESS.
25. TEMPORARY AND PERMANENT SEEDING MEASURES MUST BE APPLIED ACCORDING TO THE NEW JERSEY STANDARDS AND MULCHED WITH SALT HAY OR EQUIVALENT AND ANCHORED IN ACCORDANCE WITH THE NEW JERSEY STANDARDS (I.E. PEG AND TWINE, MULCH NETTING OR LIQUID MULCH BINDER).
26. MAXIMUM SIDE SLOPES OF ALL EXPOSED SURFACES SHALL NOT BE CONSTRUCTED STEEPER THAN 3:1 UNLESS OTHERWISE APPROVED BY THE DISTRICT.
27. DUST IS TO BE CONTROLLED BY AN APPROVED METHOD ACCORDING TO THE NEW JERSEY STANDARDS AND MAY INCLUDE WATERING WITH A SOLUTION OF CALCIUM CHLORIDE AND WATER.
28. ADJOINING PROPERTIES SHALL BE PROTECTED FROM EXCAVATION AND FILLING OPERATIONS ON THE PROPOSED SITES.
29. USE STAGED CONSTRUCTION METHODS TO MINIMIZE EXPOSED SURFACES, WHERE APPLICABLE.
30. ALL VEGETATIVE MATERIAL SHALL BE SELECTED IN ACCORDANCE WITH AMERICAN STANDARDS FOR NURSERY STOCK OF THE AMERICAN ASSOCIATION OF THE NURSERYMAN AND IN ACCORDANCE WITH THE NEW JERSEY STANDARDS.
31. NATURAL VEGETATION & SPECIES SHALL BE RETAINED WHERE SPECIFIC ON THE LANDSCAPING PLAN.
32. THE SOIL EROSION INSPECTOR MAY REQUIRE ADDITIONAL SOIL EROSION MEASURES TO BE INSTALLED, AS DIRECTED BY THE DISTRICT INSPECTOR.
33. THE CONTRACTOR IS RESPONSIBLE TO VISUALLY INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES WITHIN 24-HOURS OF EVERY STORM EVENT. ALL REPAIRS MUST BE MADE IMMEDIATELY.

CONSTRUCTION SEQUENCE

EXACT TIMING FOR DEVELOPMENT OF THIS PROJECT IS NOT KNOWN AT THIS TIME. CONSTRUCTION WILL PROCEED IMMEDIATELY AND CONTINUOUSLY ONCE THE REQUIRED APPROVALS ARE SECURED. AFTER NOTIFYING THE SOIL CONSERVATION DISTRICT IN WRITING, 72 HOURS IN ADVANCE, ITEMS AND DURATION OF CONSTRUCTION WILL OCCUR APPROXIMATELY AS FOLLOWS:

PHASE	DURATION
1. TEMPORARY SOIL EROSION FACILITIES	IMMEDIATELY
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCES	IMMEDIATELY
3. INSTALL SUPER SILT FENCE	IMMEDIATELY
4. SITE PREPARATION ACTIVITIES INCLUDING DEWATERING	2 - 4 MONTHS
5. SITE GRADING, BORROW EXCAVATION, AND DIKE CONSTRUCTION INCLUDING VEGETATIVE STABILIZATION	3 - 6 MONTHS
6. REMOVE APPROPRIATE ESC	0.5 MONTHS

DUST CONTROL NOTE

TO CONTROL DUST FROM EXPOSED SOIL SURFACES, REDUCE ON- AND OFF-SITE DAMAGE AND HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY, THE SITE SHALL BE SPRINKLED UNTIL THE SURFACE IS WET.

SEEDING SCHEDULE

1. TEMPORARY SEEDING SHALL CONSIST OF SPRING OATS APPLIED AT A RATE OF 2.0 LBS PER 1,000 S.F. OR GRAIN RYE APPLIED AT A RATE OF 2.4 LBS PER 1,000 S.F. TEMPORARY SEEDING TO BE MAINTAINED UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED WITH PERMANENT SEEDING. IF ANY SERIOUS EROSION PROBLEMS OCCUR, THE ERODED AREAS SHALL BE REPAIRED AND STABILIZED WITH A MULCH AS INDICATED IN NOTE 6.
2. PERMANENT SEEDING SHALL CONSIST OF MIXTURE NO. 15 AS SPECIFIED IN THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY OR APPROVED EQUAL - OPTIMUM SEEDING DATES ARE BETWEEN FEBRUARY 15 TO APRIL 30 OR AUGUST 15 TO NOVEMBER 15.

    HARD FESCUE @ 2.7#/1,000 S.F.

    PERENNIAL RYEGRASS @ 0.7#/1,000 S.F.

    KENTUCKY BLUEGRASS (BLEND) @ 0.9#/1,000 S.F.
3. BASIN SEEDING SHALL CONSIST OF MIXTURE NO. 11 AS SPECIFIED IN THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY OR APPROVED EQUAL - OPTIMUM SEEDING DATES ARE BETWEEN FEBRUARY 1 TO APRIL 30:

    DEEPTONGUE @ 0.45 LBS/1,000 S.F.

    REDTOP @ 0.05 LBS/1,000 S.F.

    WILD RYE @ 0.35 LBS/1,000 S.F.

    SWITCHGRASS @0.60 LBS/1,000 S.F.
4. .PERMANENT SEEDING TO BE APPLIED BY HYDROSEEDING AT A RATE OF 1500 LBS. PER ACRE, SLOPED AREAS TO BE COVERED WITH MULCH AS INDICATED IN NOTE 6.
5. FERTILIZER FOR THE ESTABLISHMENT OF TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE 10-20-20 APPLIED AT A RATE OF 11 LBS PER 1,000 S.F. OR AS DETERMINED BY SOIL TEST. LIMESTONE FOR TEMPORARY SEEDING SHALL BE APPLIED AT A RATE OF 90 LBS PER 1,000 S.F. LIMESTONE FOR PERMANENT SEEDING SHALL BE APPLIED AT A RATE OF 135 LBS. PER 1,000 S.F.
6. IF SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY OR PERMANENT SEEDING, EXPOSED AREAS TO BE STABILIZED WITH MULCH AS INDICATED IN NOTE 6.
7. MULCH TO CONSIST OF SMALL GRAIN STRAW OR SALT HAY ANCHORED WITH A WOOD AND FIBER MULCH BINDER OR AN APPROVED EQUAL.
8. IF SEASON PREVENTS THE ESTABLISHMENT OF TEMPORARY OR PERMANENT SEEDING, EXPOSED AREA TO BE STABILIZED WITH MULCH AS INDICATED INTO NOTE 6.
9. ALL SEEDED AREAS SHALL BE MULCHED. MULCH SHALL CONSIST OF SMALL GRAIN STRAW OR SALT HAY ANCHORED WITH A WOOD AND FIBER MULCH BINDER, LIQUID MULCH BINDER OR AN APPROVED EQUAL AT A RATE OF 70-90 LBS PER 1,000 S.F.

STABILIZATION WITH MULCH ONLY STANDARDS

STABILIZING EXPOSED SOILS WITH NON-VEGETATIVE MATERIALS.

SITE PREPARATION

GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION, AND MULCHING ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH STANDARDS FOR LAND GRADING, PG. 19-1.

INSTALL NEEDED EROSION CONTROL PRACTICES OR FACILITIES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, SILT SOCKS, CHANNEL STABILIZATION MEASURES, SEDIMENT BASINS, AND WATERWAYS. SEE STANDARDS 11 THROUGH 42.

PROTECTIVE MATERIAL

UNROTTED SMALL-GRAIN STRAW, OR SALT HAY AT 2.0 TO 2.5 TONS PER ACRE IS SPREAD UNIFORMLY AT 90 TO 115 POUNDS PER 1,000 SQUARE FOOT AND ANCHORED WITH A MULCH ANCHORING TOOL, LIQUID MULCH BINDERS, OR NETTING TIE DOWN. OTHER SUITABLE MATERIALS MAY BE USED IF APPROVED BY THE SOIL CONSERVATION DISTRICT.

ASPHALT EMULSION IS RECOMMENDED AT THE RATE OF 600 TO 1,200 GALLONS PER ACRE. THIS IS SUITABLE FOR A LIMITED PERIOD OF TIME WHERE TRAVEL BY PEOPLE, ANIMALS, OR MACHINES IS NOT A PROBLEM.

SYNTHETIC OR ORGANIC SOIL STABILIZERS MAY BE USED UNDER SUITABLE CONDITIONS AND IN QUANTITIES AS RECOMMENDED BY THE MANUFACTURER.

WOOD-FIBER OR PAPER-FIBER MULCH AT THE RATE OF 1,500 POUNDS PER ACRE (OR ACCORDING TO THE MANUFACTURER'S REQUIREMENTS) MAY BE APPLIED BY A HYDROSEEDER.

MULCH NETTING, SUCH AS PAPER JUTE, EXCELSIOR, COTTON, OR PLASTIC, MAY BE USED.

WOODCHIPS APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 2 INCHES MAY BE USED. WOODCHIPS WILL NOT BE USED ON AREAS WHERE FLOWING WATER COULD WASH THEM INTO AN INLET AND PLUG IT.

GRAVEL, CRUSHED STONE, OR SLAG AT THE RATE OF 9 CUBIC YARDS PER 1,000 SQ. FT. APPLIED UNIFORMLY TO A MINIMUM DEPTH OF 3 INCHES MAY BE USED. SIZE 2 OR 3 (ASTM C33) IS RECOMMENDED.

MULCH ANCHORING - SHOULD BE ACCOMPLISHED IMMEDIATELY AFTER PLACEMENT OF HAY OR STRAW MULCH TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS, DEPENDING UPON THE SIZE OF THE AREA AND STEEPNESS OF SLOPES.

PEG AND TWINE - DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4 FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO SOIL SURFACE BY STRETCHING TWINE BETWEEN PEGS IN A CRISSCROSS AND A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE ROUND TURNS.

MULCH NETTINGS - STAPLE PAPER, COTTON OR PLASTIC NETTING OVER MULCH. USE A DEGRADABLE NETTING IN AREAS TO BE MOWED. NETTING IS USUALLY AVAILABLE IN ROLLS 4 FEET WIDE WITH TWO OR MORE ROUND TURNS.

CRIMPER MULCH ANCHORING COULTER TOOL - A TRACTOR-DRAWN IMPLEMENT ESPECIALLY DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SOIL SURFACE. THIS PRACTICE AFFORDS MAXIMUM EROSION CONTROL, BUT ITS USE IS LIMITED TO THOSE SLOPES UPON WHICH THE TRACTOR CAN OPERATE SAFELY. SOIL PENETRATION SHOULD BE ABOUT 3 TO 4 INCHES ON SLOPING LAND. THE OPERATION SHOULD BE ON THE CONTOUR.

LIQUID MULCH-BINDERS

APPLICATIONS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES THE MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE.

USE ONE OF THE FOLLOWING:

A. EMULSIFIED ASPHALT - (SS-1, CSS-1, CMS-2, MS-2, RS-1, RS-2, CRS-1 AND CRS-2). APPLY 0.04 GAL./SQ./YD. OR 194 GAL./ACRE ON FLAT AREAS AND ON SLOPES LESS THAN 8 FEET OR MORE HIGH, USE 0.075 GAL./SQ./YD. OR 363 GAL./ACRE. THESE MATERIALS MAY BE DIFFICULT TO APPLY UNIFORMLY AND WILL DISCOLOR SURFACES.

B. ORGANIC AND VEGETABLE BASED BINDERS - NATURALLY OCCURRING, POWDER BASED HYDROPHILIC MATERIALS THAT MIXED WITH WATER FORMULATES A GEL AND WHEN APPLIED TO MULCH UNDER SATISFACTORY CURING CONDITIONS WILL FORM MEMBRANE NETWORKS OF INSOLUBLE POLYMERS. THE VEGETABLE GEL SHALL BE PHYSIOLOGICALLY HARMLESS AND NOT RESULT IN A PHYTOTOXIC EFFECT OR IMPEDE GROWTH OF TURFGRASS. VEGETABLE BASED GELS SHALL BE APPLIED AT RATES AND WEATHER CONDITIONS RECOMMENDED BY THE MANUFACTURER.

C. SYNTHETIC BINDERS - HIGH POLYMER SYNTHETIC EMULSION, MISCIBLE WITH WATER WHEN DILUTED AND FOLLOWING APPLICATION TO MUCH, DRYING AND CURING SHALL NO LONGER BE SOLUBLE OR DISPERSIBLE IN WATER. IT SHALL BE APPLIED AT RATES AND WEATHER CONDITIONS RECOMMENDED BY THE MANUFACTURER AND REMAIN TACKY UNTIL GERMINATION OF GRASS.

SITE STABILIZATION

DIKES SHALL BE STABILIZED PRIOR TO INFLOW OR MECHANICAL PLACEMENT OF DREDGED MATERIAL.

SITE INFORMATION

LIMIT OF DISTURBANCE - 49.5 +/- AC

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

EROSION AND SEDIMENT CONTROL NOTES

Designed by: DSGN	Drwn by: DRFT	Chkd by: CHKR	Reviewed by: REVR	Submitted by: F GONZALEZ CHANA MOFFATT & NICHOL
Date: DATE	Rev. REVNO	M&N Project No. 11102-33	Drawing code:	Drawing Scale: 1:1 (D SHEET)

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330

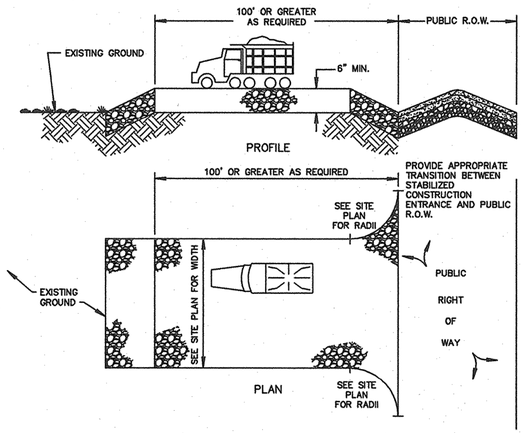
NJEDA NEW JERSEY WIND PORT

Thomas J Shafer 2023.02.06 16:35:48-05'00'

SEAL

Sheet Reference No.
C-501

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING



NOTES:

1. ENTIRE SURFACE WILL BE STABILIZED WITH FABC BASE COURSE AS PRESCRIBED BY LOCAL ORDINANCE OR OTHER GOVERNING AUTHORITY. THE PERCENT OF SLOPE ROADWAY WILL BE LESS THAN 5%.
2. 1"–2 1/2" CLEAN CRUSHED STONE SHALL BE USED.

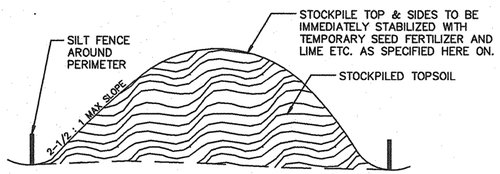
MAINTENANCE:

THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO ROADWAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE OR ADDITIONAL LENGTH AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ROADWAYS (PUBLIC OR PRIVATE) OR OTHER IMPERVIOUS SURFACE MUST BE REMOVED IMMEDIATELY.

WHERE ACCUMULATION OF DUST/SEDIMENT IS INADEQUATELY CLEANED OR REMOVED BY CONVENTIONAL METHODS, A POWER BROOM OR STREET SWEEPER WILL BE REQUIRED TO CLEAN PAVED OR IMPERVIOUS SURFACED. ALL OTHER ACCESS POINTS WHICH ARE NOT STABILIZED SHALL BE BLOCKED OFF.

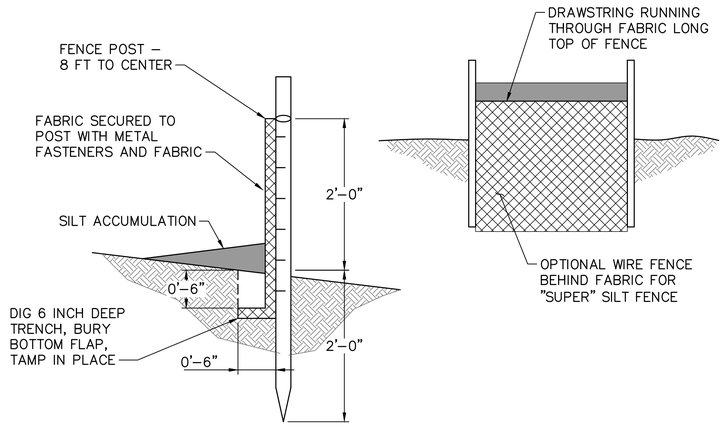
STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



STOCKPILE AREA

NOT TO SCALE



SUPER SILT FENCE CONSTRUCTION AND INSTALLATION DETAIL

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

EROSION AND SEDIMENT CONTROL DETAILS

Designed by: DSGN	Drawn by: DRFT	Checked by: CHKR	Date: DATE
Reviewed by: REVR	Submitted by: F. GONZALEZ CHANA MOFFATT & NICHOL	Drawing scale: Plot scale: 1:1 (D SHEET)	M&N Project No. 11102-33
Drawing code:			Rev. REVNO

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

Thomas J. Shafer
39102
2023.02.06 16:35:52 -05'00'
SEAL

Sheet Reference No.
C-502
INDEX: 18 OF 27

File: Q:\BOS\Projects\11102-33 Sitewide Permit\20 CADD_Active_CDF-E Permit\11102330-502 - Plotted: 2/1/2023 7:03 PM by VOELKER, PAUL - Saved: 2/1/2023 6:07 PM by PVOELKER

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

GENERAL NOTES:

1. THE NOTES BELOW ARE NOT INTENDED TO REPLACE THE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO THE GENERAL NOTES.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE STARTING WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING WORK.
3. THE CONTRACTOR SHALL REMOVE FROM THE SITE ANY WASTE MATERIAL AND DEBRIS GENERATED DURING THE COURSE OF THE WORK. DISPOSAL OF ALL GENERATED WASTE MATERIAL AND DEBRIS IS THE CONTRACTOR'S RESPONSIBILITY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION.

DESIGN CRITERIA:

DESIGN CODES:

1. AMERICAN CONCRETE INSTITUTE (ACI), BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY, ACI 318-14, 2014.
2. AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), STEEL CONSTRUCTION MANUAL, 14TH EDITION, 2011.
3. AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE), STANDARD MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, ASCE 7-16, 2016.
4. AMERICAN WELDING SOCIETY (AWS), STRUCTURAL WELDING CODE-STEEL, AWS D1.1, 2015.
5. INTERNATIONAL BUILDING CODE (IBC), 2018

VERTICAL DESIGN LOADS:

1. PLATFORM GRATING IS DESIGNED TO ACCOMMODATE 100 POUNDS PER SQUARE FOOT UNIFORMLY DISTRIBUTED LIVE LOAD.
2. STRUCTURE DESIGNED TO ACCOMMODATE FULL OPERATIONAL WEIGHT OF ALL MECHANICAL EQUIPMENT, FITTINGS, AND PIPING AT THE LOCATIONS SHOWN IN THE CONTRACT DOCUMENTS. IF ALTERNATE COMPONENTS AND/OR LOCATIONS ARE PROPOSED, NOTIFY THE STRUCTURAL ENGINEER TO CONFIRM COMPATIBILITY WITH THE DESIGNED STRUCTURE AND SUPPORTS.
3. SPILLWAY STRUCTURE IS DESIGNED TO RESIST UPLIFT DUE TO BUOYANCY WITH A FACTOR OF SAFETY OF 1.3.
4. THE STRUCTURE IS DESIGNED FOR MAXIMUM HYDRAULIC DREDGE TOP ELEVATION OF +30.00 FEET.
5. WALKWAY SHALL BE DESIGNED FOR A PEDESTRIAN LIVE LOAD OF 100 PSF.
6. ALLOWABLE MINIMUM SOIL BEARING PRESSURE IS 1,500 PSF.

LATERAL DESIGN LOADS

1. WIND PRESSURE ON EXPOSED PORTIONS OF THE STRUCTURE BASED ON 115 MPH WIND SPEED IN ACCORDANCE WITH AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) MANUAL ASCE-7-16.
2. SPILLWAY STRUCTURE IS DESIGNED FOR LATERAL SOIL LOAD OF DENSITY = 90 PCF WITH A DESIGN DREDGE ELEVATION OF +30.00 AND ACTIVE SOIL PRESSURE COEFFICIENT Ka=1.0.
3. POST AND GUARD RAIL DESIGNED FOR A LATERAL LOAD OF 50 LB/FT ACTING ON TOP OR MIDRAIL OR ONE SINGLE 200 LB POINT LOAD ON TOP OR MIDRAIL, WHICHEVER CONTROLS.

STRUCTURAL AND MISCELLANEOUS STEEL:

1. ALL STEEL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE AISC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS.
2. STRUCTURAL AND MISCELLANEOUS STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING:

SHAPES, BARS AND PLATES:	ASTM A 992 A 325, ASTM A572 GRADE 50
BOLTS AND NUTS, UNLESS OTHERWISE NOTED:	ASTM F 3125, GRADE 325, GALVANIZED
ANCHOR BOLTS:	ASTM F 1554, GRADE 55, GALVANIZED
STEEL PIPES:	ASTM A53/A53M TYPE E OR S, GRADE B

3. WASHERS SHALL BE CIRCULAR FLAT SMOOTH AND SHALL CONFORM TO ANSI B18.22.1, UNLESS OTHERWISE SPECIFIED.
4. ALL WELDING SHALL CONFORM TO AWS D.1.1., 2015, UNLESS OTHERWISE SPECIFIED.
5. ALL BOLTS AND HARDWARE, EXCEPT STAINLESS STEEL, SHALL BE ZINC COATED OR GALVANIZED BY THE HOT DIPPED PROCESS IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A153, AFTER FABRICATION, UNLESS OTHERWISE NOTED.
6. COAT ALL STRUCTURAL STEEL SHAPES, PLATES, FABRICATIONS WITH TWO COATS OF SHOP-APPLIED SELF-PRIMING EPOXY PAINT SUCH AS CARBOGUARD 890 BY CARBOLINE OR APPROVED EQUAL. FOLLOW MANUFACTURER'S REQUIREMENTS FOR SURFACE PREPARATION, MIXING, APPLICATION AND CURING OF THE PRIMER. APPLY TO PROVIDE A TOTAL DRY FILM THICKNESS OF 10-16 MILS, OR GREATER IF RECOMMENDED BY PAINT MANUFACTURER. APPLY TO PROVIDE A MINIMUM DRY FILM THICKNESS OF 2 TO 3 MILS. REPAIR ALL DAMAGED COATING SURFACES PER MANUFACTURER'S REQUIREMENTS.
7. MINIMUM BOLT SIZE SHALL BE AS SHOWN IN DRAWINGS.
8. ALL BOLTED CONNECTIONS SHALL HAVE HEAVY HEX NUTS AND WASHERS UNLESS OTHERWISE NOTED.
9. THE CONTRACTOR SHALL COORDINATE AND PROVIDE ACCOMMODATION FOR ALL FABRICATED, EMBEDDED AND ATTACHED DEVICES AND STRUCTURES.
10. GRATING SHALL BE TYPE W-19-4 (2 1/4x3/16) STEEL SERRATED METAL GRATIING GALVANIZED CONFORMING TO NAAMM STANDARD.
11. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

TIMBER:

1. SEE SPECIFICATIONS FOR WEIR BOARD REQUIREMENTS.

CONCRETE AND REINFORCING STEEL:

1. ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE FOLLOWING ACI CODES: ACI 318, ACI 315R, ACI 304R, AND ACI 301, UNLESS OTHERWISE NOTED.
2. ALL CONCRETE SHALL BE NORMAL WEIGHT.
3. ALL DETAILING, FABRICATION AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI SP-66, LATEST EDITION.
4. MATERIALS SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:

   A. CONCRETE:

   a. CAST-IN-PLACE CONCRETE: 28 DAY STRENGTH = 5,000 PSI
   b. MAXIMUM WATER-CEMENT RATIO = 0.40 WITH f'c=5,000 PSI.
   c. NON-METALLIC, NON-SHRINK CEMENTITIOUS GROUT: 28 DAY STRENGTH = 8,000 PSI
   d. CEMENT: ASTM C 150 TYPE II

   B. REINFORCING STEEL:

   a. REINFORCING STEEL AND DOWELS FOR CONCRETE: ASTM A 615, GRADE 60 UNLESS OTHERWISE NOTED.
   b. REINFORCING TO BE WELDED: ASTM A706
   c. WELDED WIRE FABRIC: ASTM A 185.

5. CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH A 3/4" - 45 DEGREE CHAMFER UNLESS OTHERWISE NOTED.
6. MINIMUM COVER FOR REINFORCEMENT SHALL BE 3 INCHES UNLESS OTHERWISE NOTED.
7. CONSTRUCTION LOADS GREATER THAN 50% OF THE DESIGN LOAD FOR ANY NEW PORTION OF THE STRUCTURE SHALL NOT BE IMPOSED UNTIL THE CONCRETE CYLINDER STRENGTH FOR THOSE MEMBERS HAVE REACHED 80% OF THE 28 DAY CONCRETE STRENGTH.
8. ALL REINFORCING BAR SPLICES SHALL BE CLASS B TENSION LAP SPLICES IN ACCORDANCE WITH ACI 318 UNLESS OTHERWISE NOTED.
9. REINFORCING BAR SPLICES (fc'=5000 PSI) IN INCHES, AS SHOWN BELOW:

LAP SPLICES OF REINFORCING BARS F'c=5,000 PSI

BAR SIZE	LAP CLASS	TOP BARS	BOTTOM BARS
#3	B	22"	17"
#4	B	29"	23"
#5	B	36"	28"
#6	B	43"	34"
#7	B	63"	49"
#8	B	72"	56"
#9	B	81"	63"
#10	B	90"	69"

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

STRUCTURAL NOTES AND DESIGN CRITERIA

Date:	2023-01-31
M&N Project No.	11102-33
Designed by:	PWK
Dwn by:	HR
Chkd by:	PGV
Reviewed by:	LC
Submitted by:	F GONZALEZ CHANA MOFFATT & NICHOL
Drawing Scale:	
Plot scale:	1:1 (D SHEET)

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330

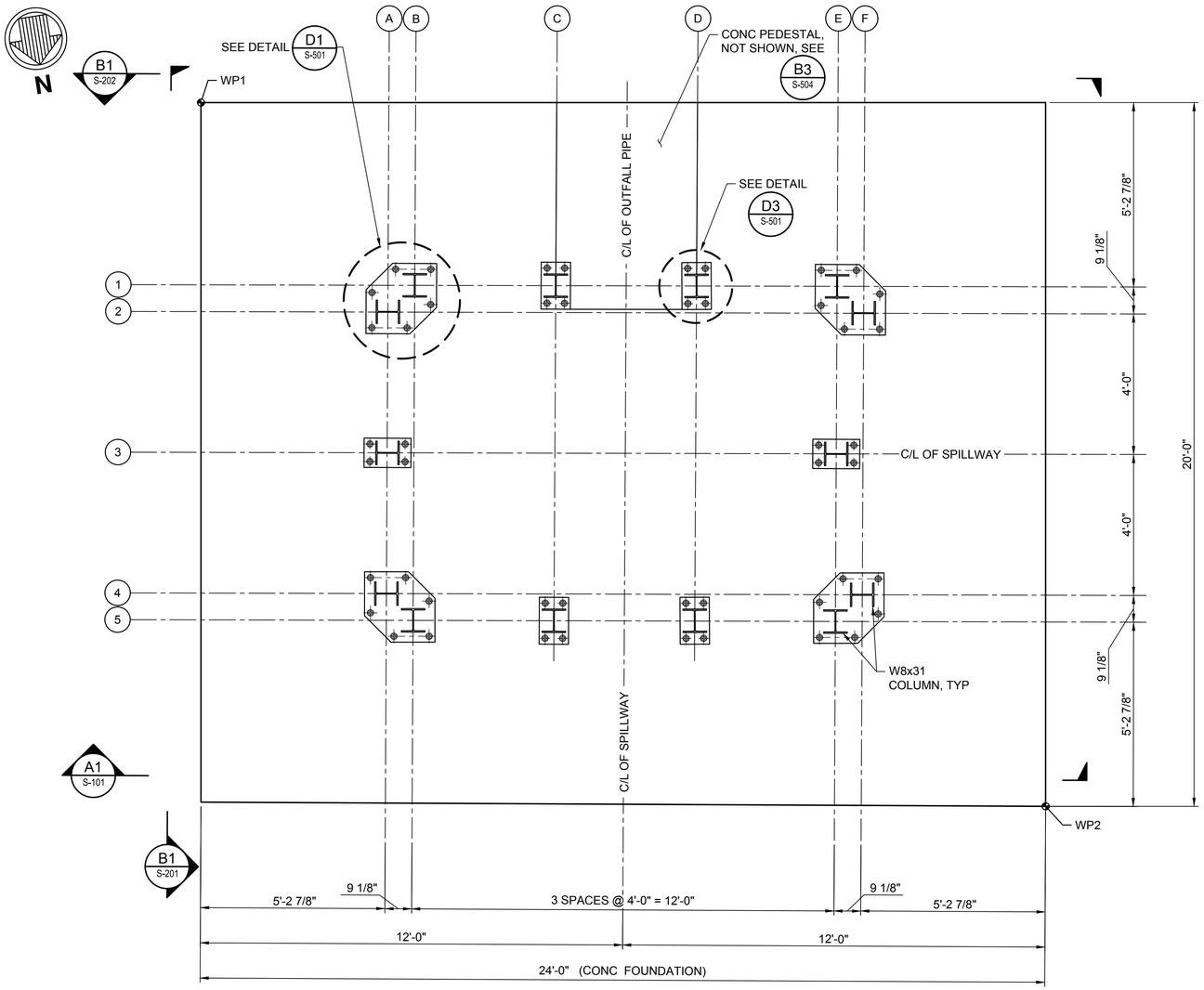
NJEDA NEW JERSEY WIND PORT

Thomas J Shafer
2023.02.06
16:35:56-05'00'

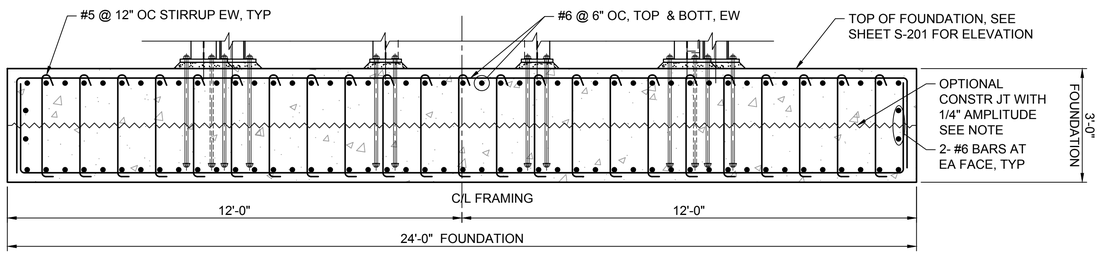
SEAL

Sheet Reference No.
S-001

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING



B1 S-101 PLAN - FOUNDATION AND COLUMNS LAYOUT
SCALE: 1/2"=1'-0"



A1 S-101 SECTION - FOUNDATION REINFORCING
SCALE: 1/2"=1'-0"

WORKING POINTS		
POINT #	NORTHING	EASTING
WP1	230,951.09	203,348.79
WP2	230,927.56	203,369.35

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN & SECTION - FOUNDATION

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

Designed by: PWK	Drawn by: HR	Checked by: PGV	Reviewed by: LC
Submitted by: F GONZALEZ CHANA MOFFATT & NICHOL	Drawing Scale: Plot scale: 1:1 (D SHEET)	M&N Project No. 11102-33	Drawing code:
Date: 2023-01-31	Rev. -		

STATE OF NEW JERSEY
Thomas J. Shafer
License No. 39108
PROFESSIONAL ENGINEER
2023.01.31 16:30:00

SEAL

Sheet Reference No.
S-101
INDEX: 20 OF 27

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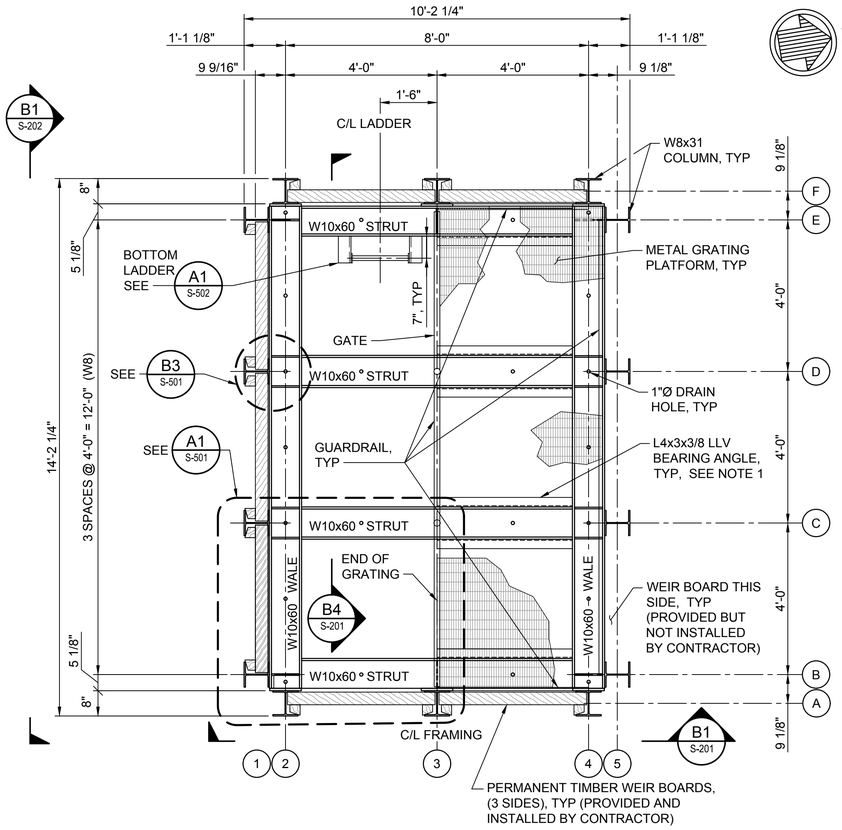
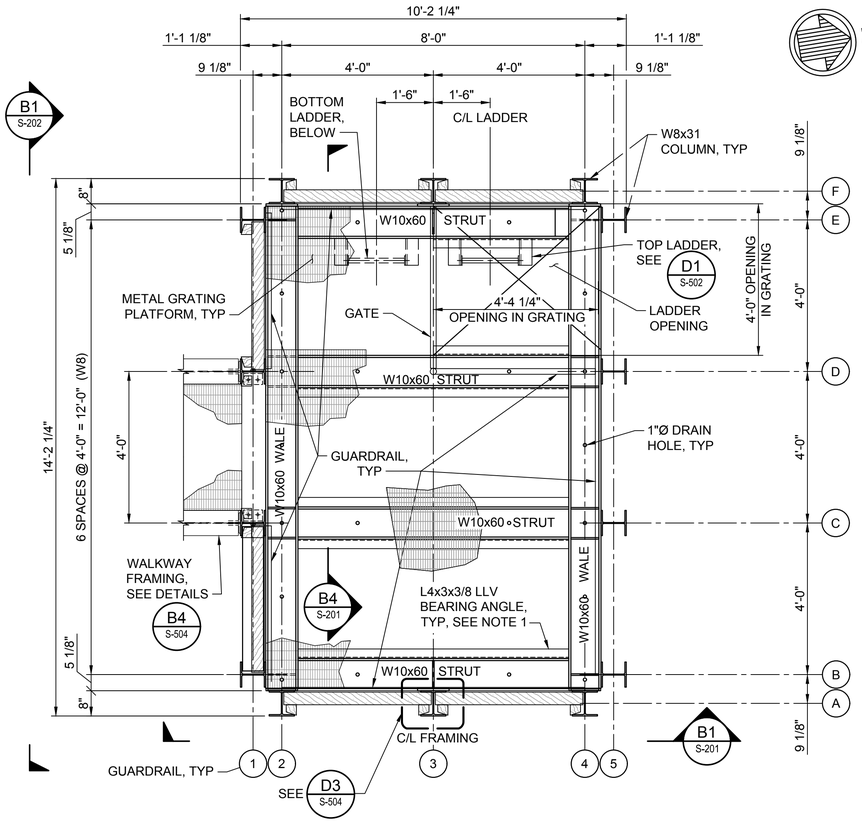


B1 S-102 PLAN - TYPICAL FRAMING - INTERMEDIATE LEVEL
SCALE: 1/2" = 1'-0"



B3 S-102 PLAN - TOP DECK FRAMING
SCALE: 1/2"=1'-0"

NOTE:

1. SEE DETAIL DETAILING. D4 S-504 FOR L4x3 ATTACHMENT

2'-0" 0'-0" 2'-0" 4'-0"

SCALE: 1/2"=1'-0"

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

PLAN - SPILLWAY FRAMING AND DECK

Rev.	-
Date:	2023-01-31
M&N Project No.	11102-33
Drawing code:	
Drawing Scale:	
Plot scale:	1:1 (D SHEET)
Designed by:	PWK
Drwn by:	HR
Chkd by:	PGV
Reviewed by:	LC
Submitted by:	F. GONZALEZ / CHANA MOFFATT & NICHOL

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY
Thomas J. Shafer
39102
PROFESSIONAL ENGINEER
2023.02.06 16:36:05-05'00'
SEAL

Sheet Reference No.
S-102
INDEX: 21 OF 27

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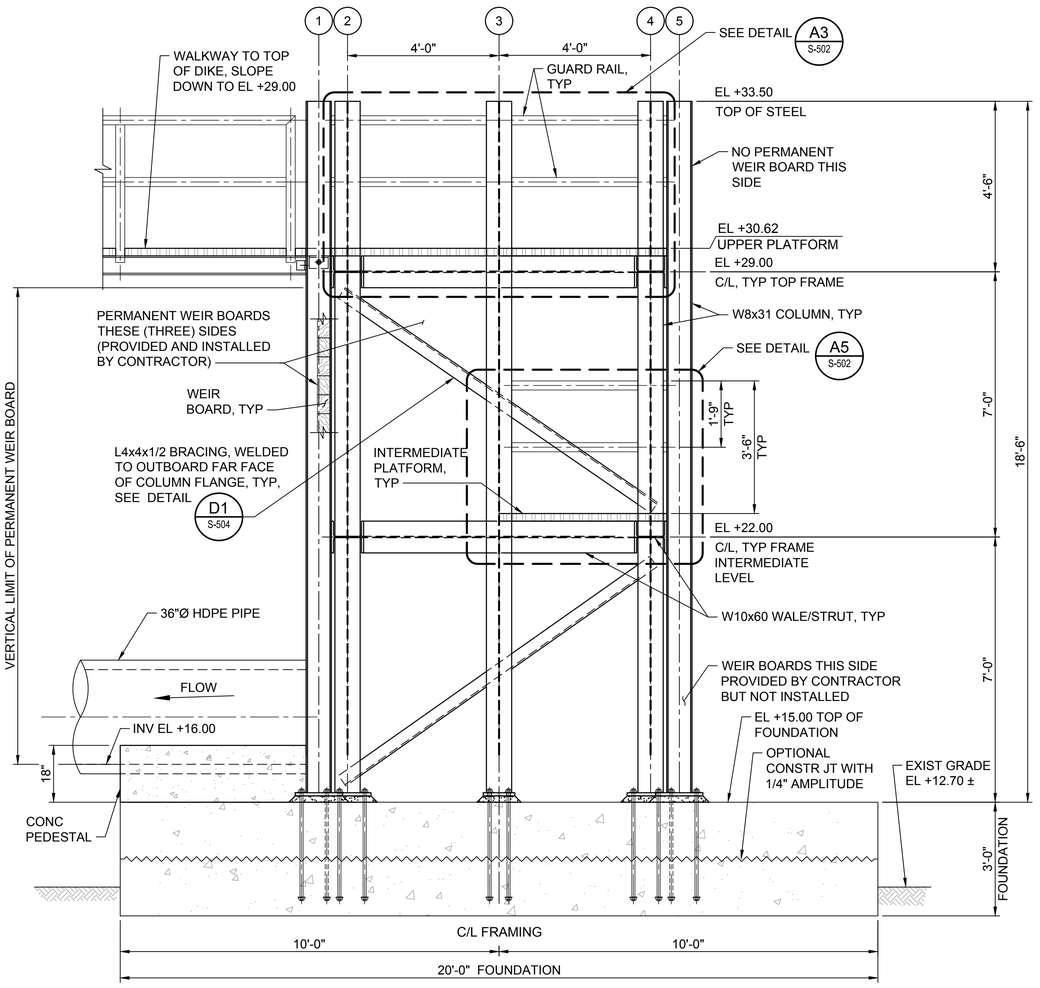
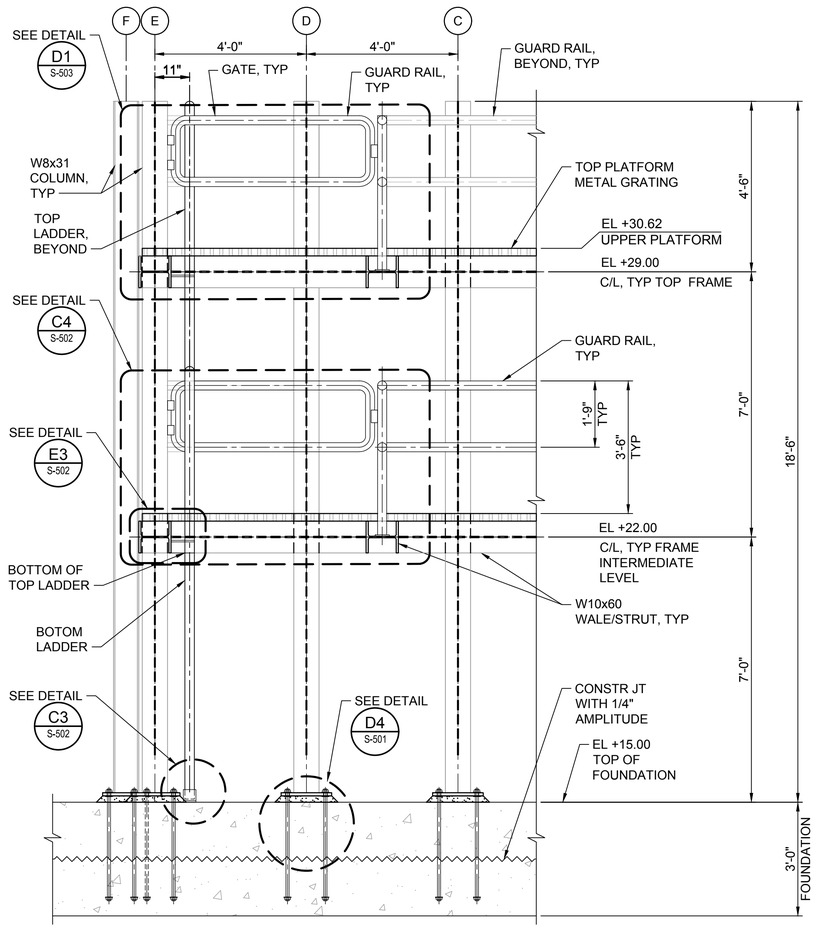


B1 S-101 ELEVATION - SPILLWAY FRAME
SCALE: 1/2"=1'-0"
S-102



B4 S-102 ELEVATION - SPILLWAY FRAME
SCALE: 1/2"=1'-0"

NOTES:

1. WHERE APPLICABLE, WEIR BOARDS NOT SHOWN FOR CLARITY.
2. PROVIDE AND INSTALL PERMANENT WEIR BOARDS ON THREE (3) SIDES. PROVIDE WEIR BOARDS FOR THE FRONT SIDE OF THE SPILLWAY BUT DO NOT INSTALL.
3. FOUNDATION REINFORCING NOT SHOWN. SEE SHEET S-101 FOR REINFORCING DETAILS.

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

ELEVATION - SPILLWAY
SHEET 1 OF 2

Rev:	-
Date:	2023-01-31
M&N Project No.	11102-33
Drawing code:	
Drawing Scale:	1:1 (D SHEET)
Plot scale:	1:1 (D SHEET)
Designed by:	PWK
Dwn by:	HR
Ckd by:	PGV
Reviewed by:	LC
Submitted by:	F. GONZALEZ CHANA MOFFATT & NICHOL

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY
Thomas S. Shaffer
39100
LICENSED PROFESSIONAL ENGINEER
2023.02.08 16:38:10 -05'00'
SEAL

Sheet Reference No.
S-201
INDEX: 22 OF 27

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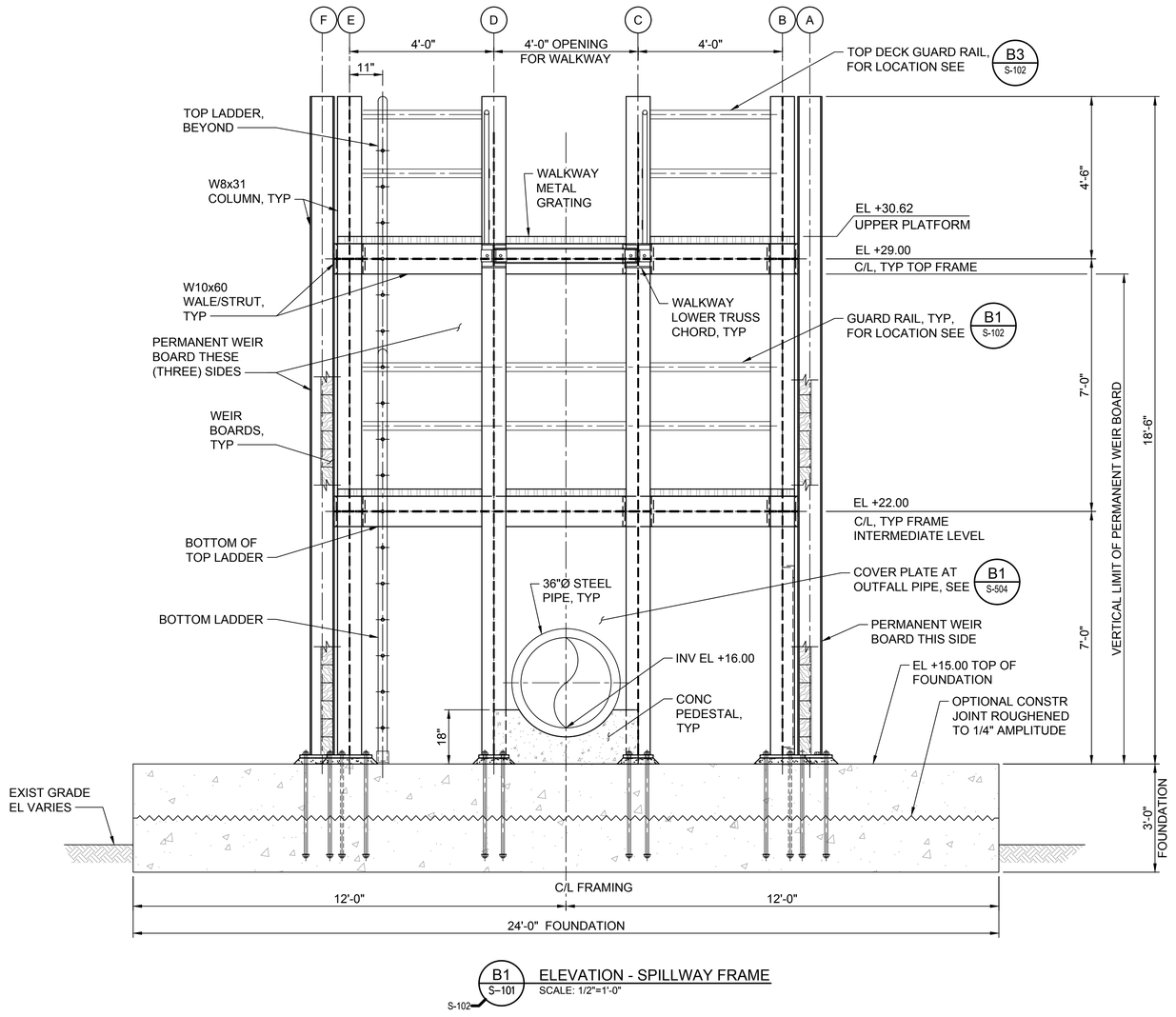

B1 S-101 ELEVATION - SPILLWAY FRAME
S-102 SCALE: 1/2"=1'-0"

NOTES:

1. WHERE APPLICABLE, WEIR BOARDS NOT SHOWN FOR CLARITY.
2. PROVIDE AND INSTALL PERMANENT WEIR BOARDS THREE (3) SIDES. PROVIDE WEIR BOARDS FOR THE FRONT SIDE OF THE SPILLWAY BUT DO NOT INSTALL.
3. FOUNDATION REINFORCING NOT SHOWN, SEE SHEET S-101 FOR REINFORCING.

2'-0" 0'-0" 2'-0" 4'-0"
SCALE: 1/2"=1'-0"

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

ELEVATION - SPILLWAY
SHEET 2 OF 2

Designed by: PWK	Date: 2023-01-31	Rev. -	
Drawn by: HR	Chkd by: PGV	M&N Project No. 11102-33	
Reviewed by: LC	Drawing code:	Drawing Scale:	
Submitted by: F. GONZALEZ CHANA MOFFATT & NICHOL		Plot scale: 1:1 (D SHEET)	

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY
Thomas J. Shafer
39102
PROFESSIONAL ENGINEER
LICENSED
2023.02.06 16:36:14-05'00'
SEAL

Sheet Reference No.
S-202
INDEX: 23 OF 27

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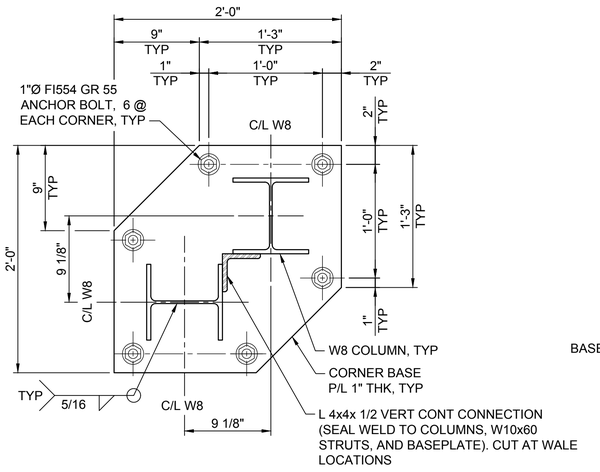
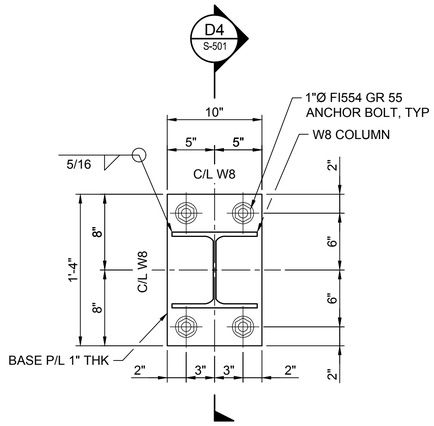
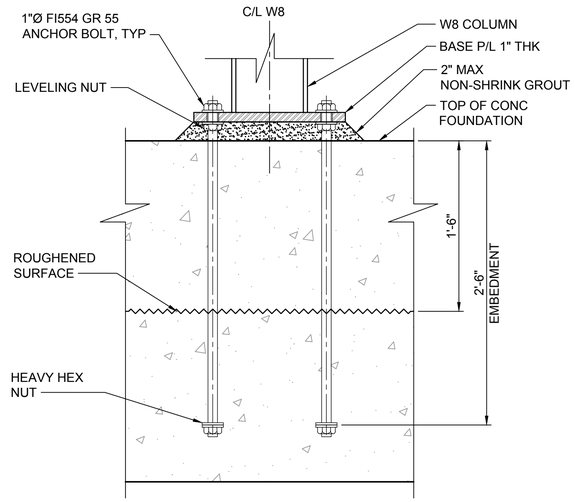


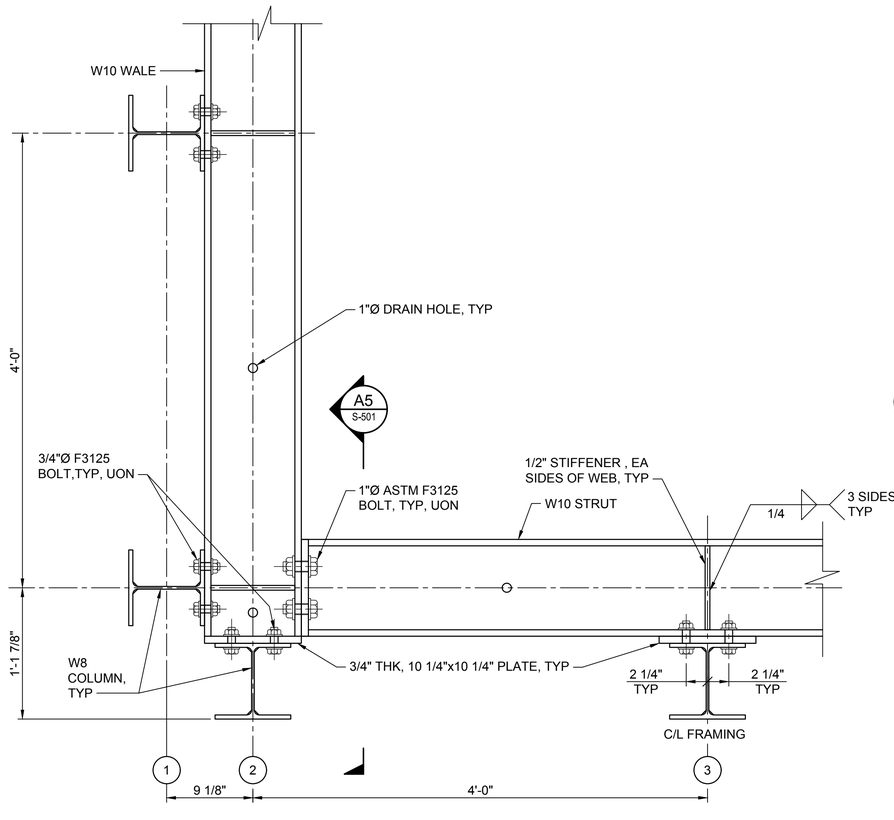
D1 S-101 PLAN - TYPICAL CORNER BASE PLATE
SCALE: 1 1/2"=1'-0"



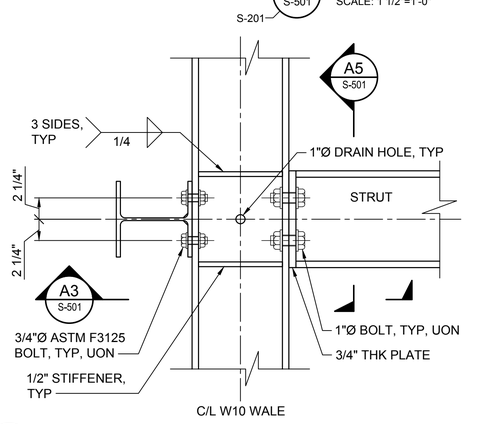
D3 S-101 DETAIL - TYPICAL BASE PLATE
SCALE: 1 1/2"=1'-0"



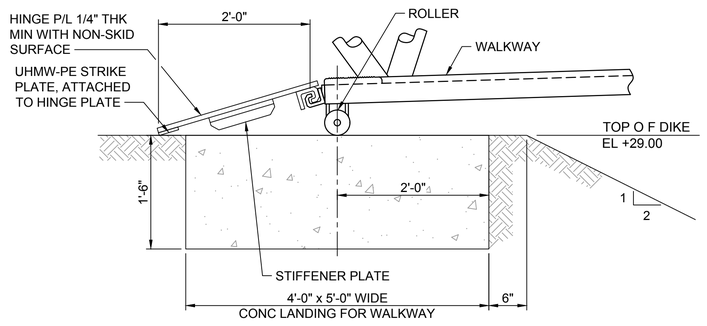
D4 S-501 SECTION - TYPICAL BASE PLATE
SCALE: 1 1/2"=1'-0"



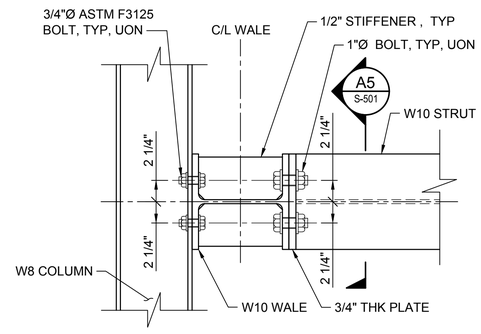
A1 S-102 PARTIAL PLAN - TYPICAL CORNER CONNECTION
SCALE: 1 1/2"=1'-0"



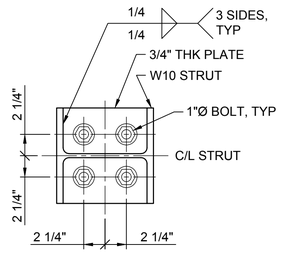
B3 S-102 DETAIL - INTERMEDIATE STRUT/WALE CONNECTION
SCALE: 1 1/2"=1'-0"



B5 C-401 DETAIL - WALKWAY LANDING AT DIKE
SCALE: 1"=1'-0"



A3 S-501 DETAIL - COLUMN TO STRUT/WALE CONNECTION
SCALE: 1 1/2"=1'-0"



A5 S-501 DETAIL - 3/4" PLATE TO WALE CONNECTION
SCALE: 1 1/2"=1'-0"

1'-0" 0'-0" 6" 1'-0"
SCALE: 1 1/2"=1'-0"

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

Mark	Description	Date	Appr

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

DETAILS - SPILLWAY

Designed by: PWK	Rev.: -
Drawn by: HR	Date: 2023-01-31
Checked by: PGV	M&N Project No.: 11102-33
Reviewed by: LC	Drawing scale:
Submitted by: F. GONZALEZ/ CHANA MOFFATT & NICHOL	Drawing Scale: Plot scale: 1:1 (D SHEET)

180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330
moffatt & nichol

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY
Thomas J. Shafer
39102
PROFESSIONAL ENGINEER
2023.02.06 16:36:19 -05'00'
SEAL

Sheet Reference No.
S-501
INDEX: 24 OF 27

File: Q:\BOS\Projects\11102-33 Sitewide Permit\20 CADD_Active_CDF-E Permit\11102335-501 - Plotted: 2/1/2023 7:06 PM by VOELKER, PAUL - Saved: 2/1/2023 4:16 PM by RGERCHIKOVA

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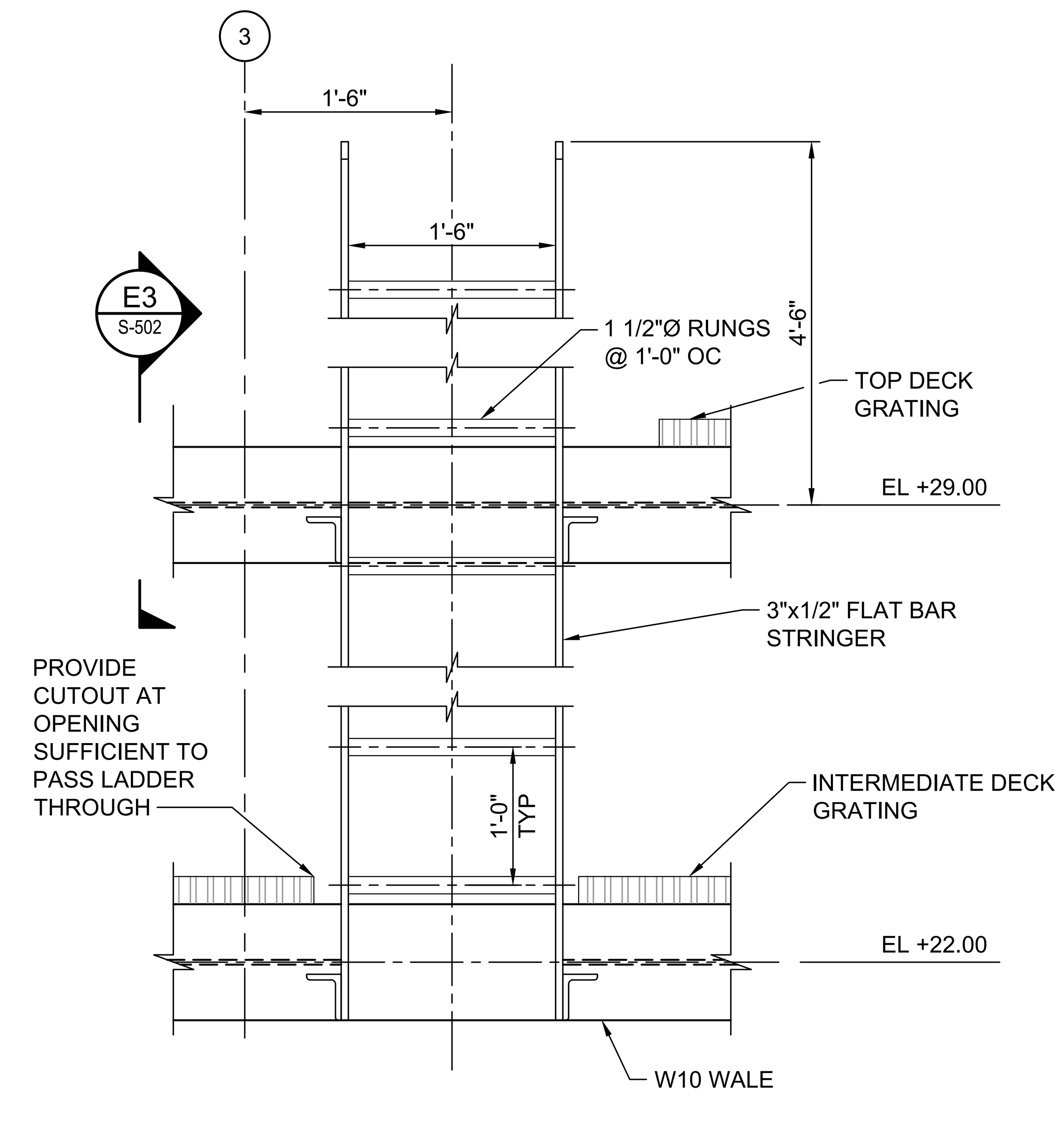
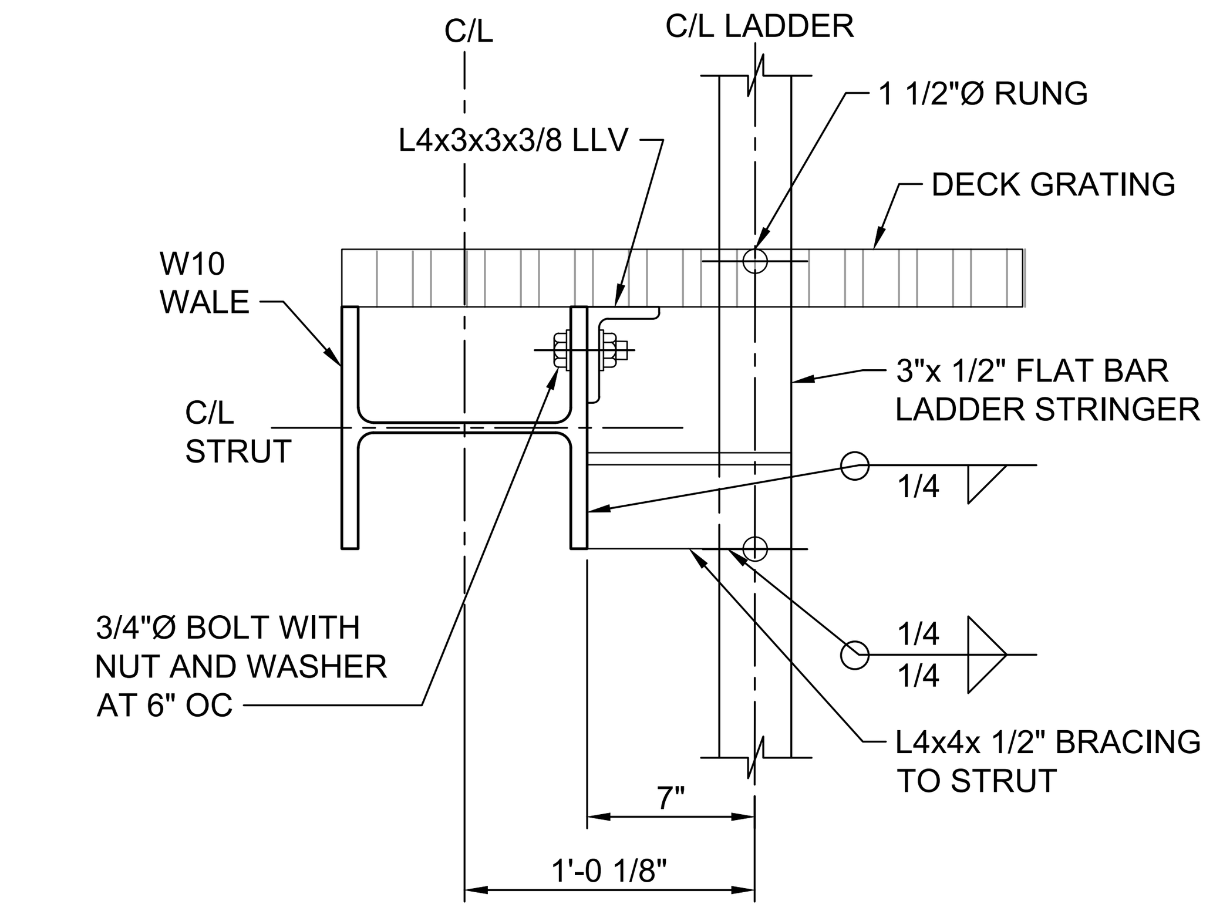
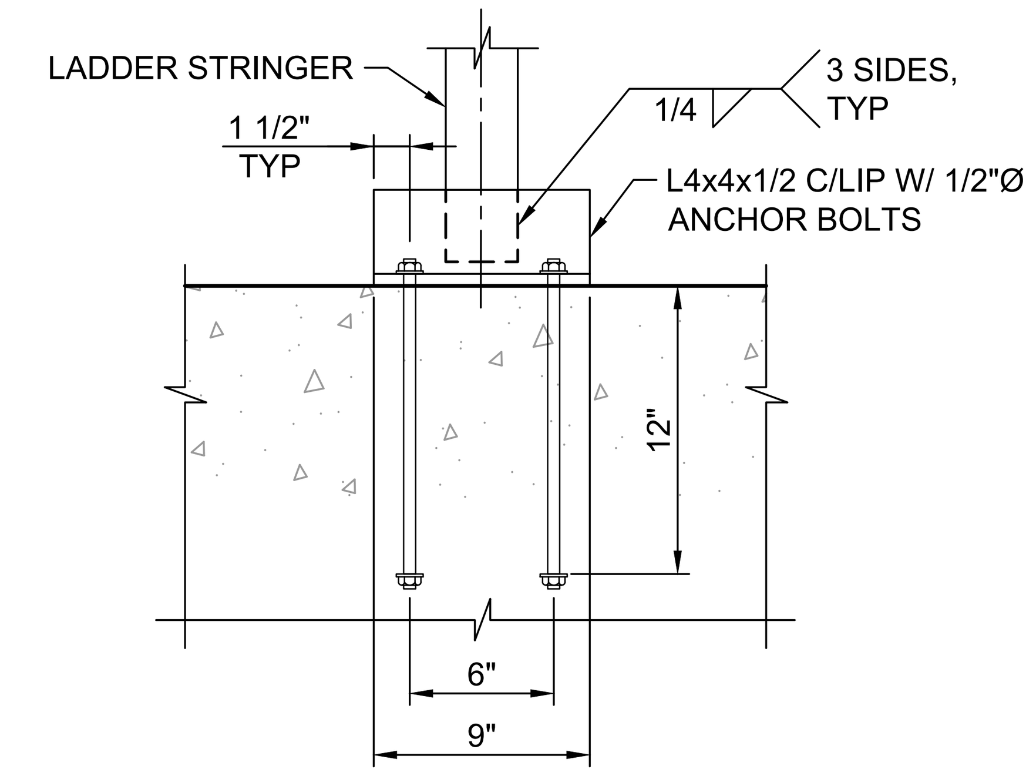


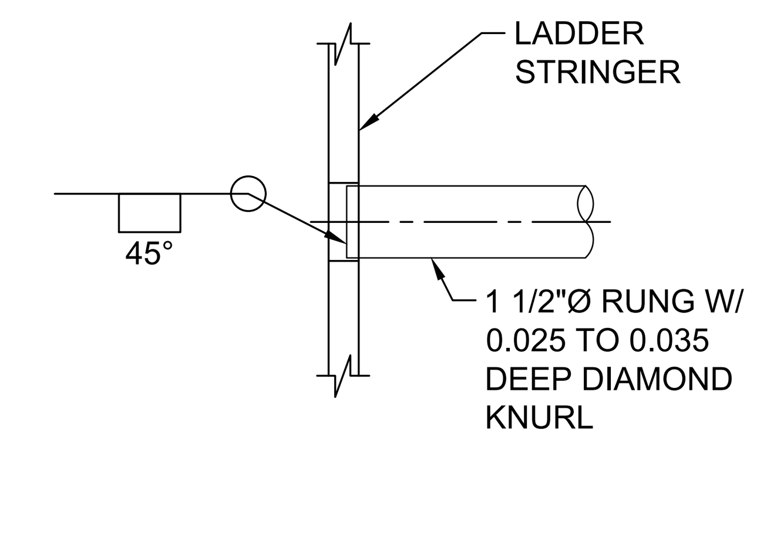
D1 S-102 DETAIL - TOP LADDER
SCALE: 1"=1'-0"



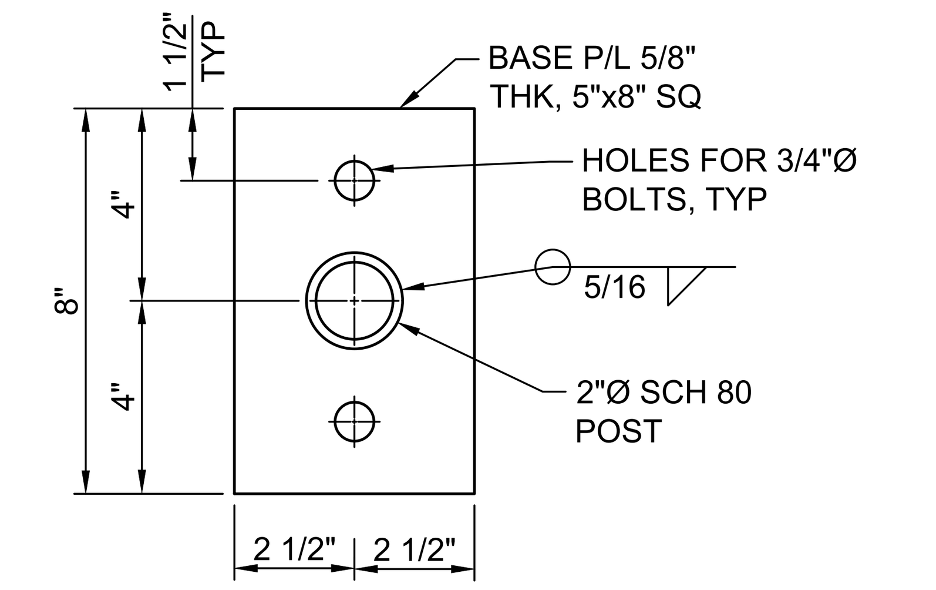
E3 S-502 DETAIL - TYPICAL LADDER CONNECTION
SCALE: 1 1/2"=1'-0"
S-201



C3 S-502 DETAIL - LADDER ANCHORAGE
SCALE: 1 1/2"=1'-0"
S-201



E4 S-502 DETAIL - LADDER RUNG
SCALE: 3"=1'-0"



E5 S-502 DETAIL - TYPICAL GUARD POST BASE PLATE
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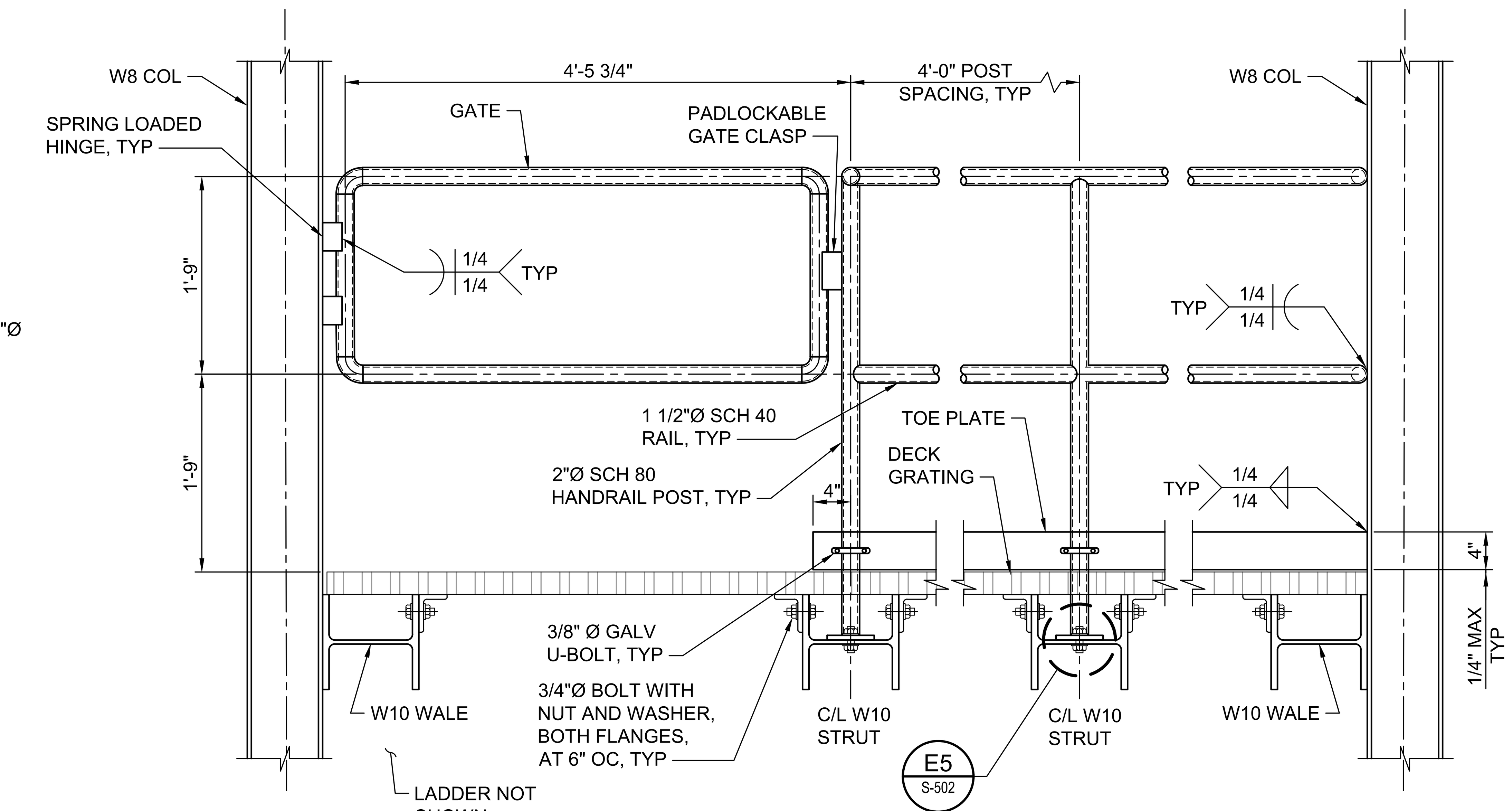
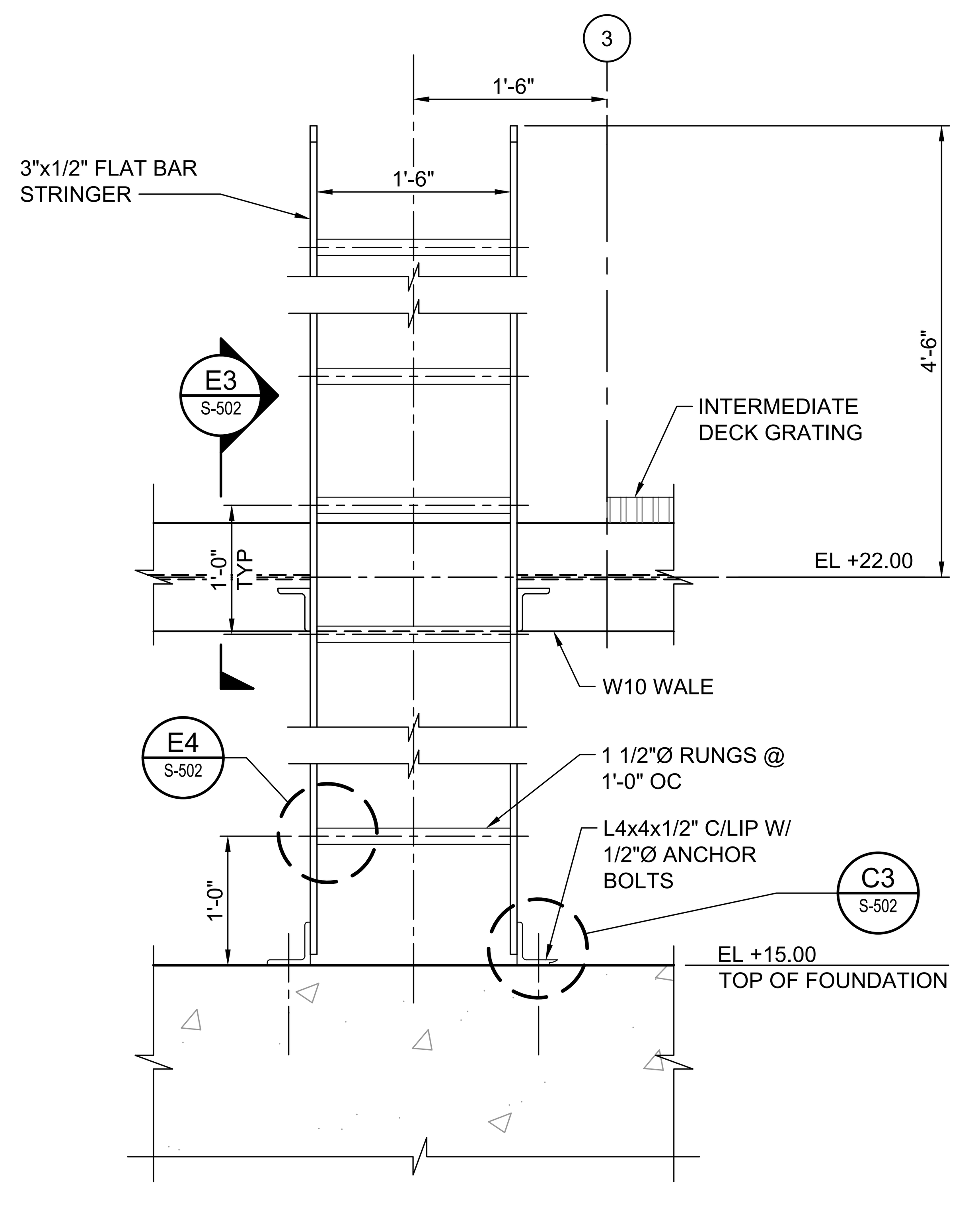
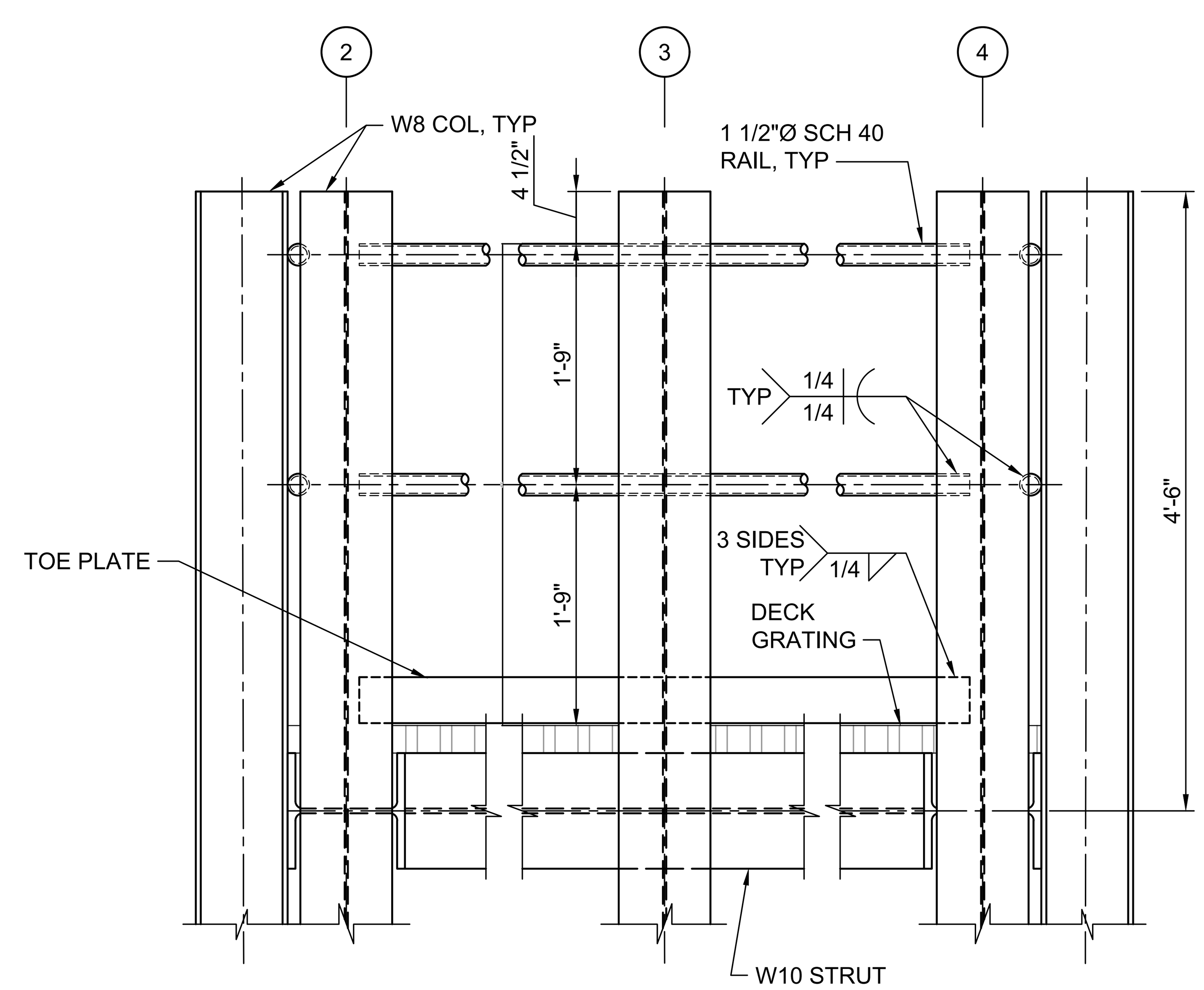


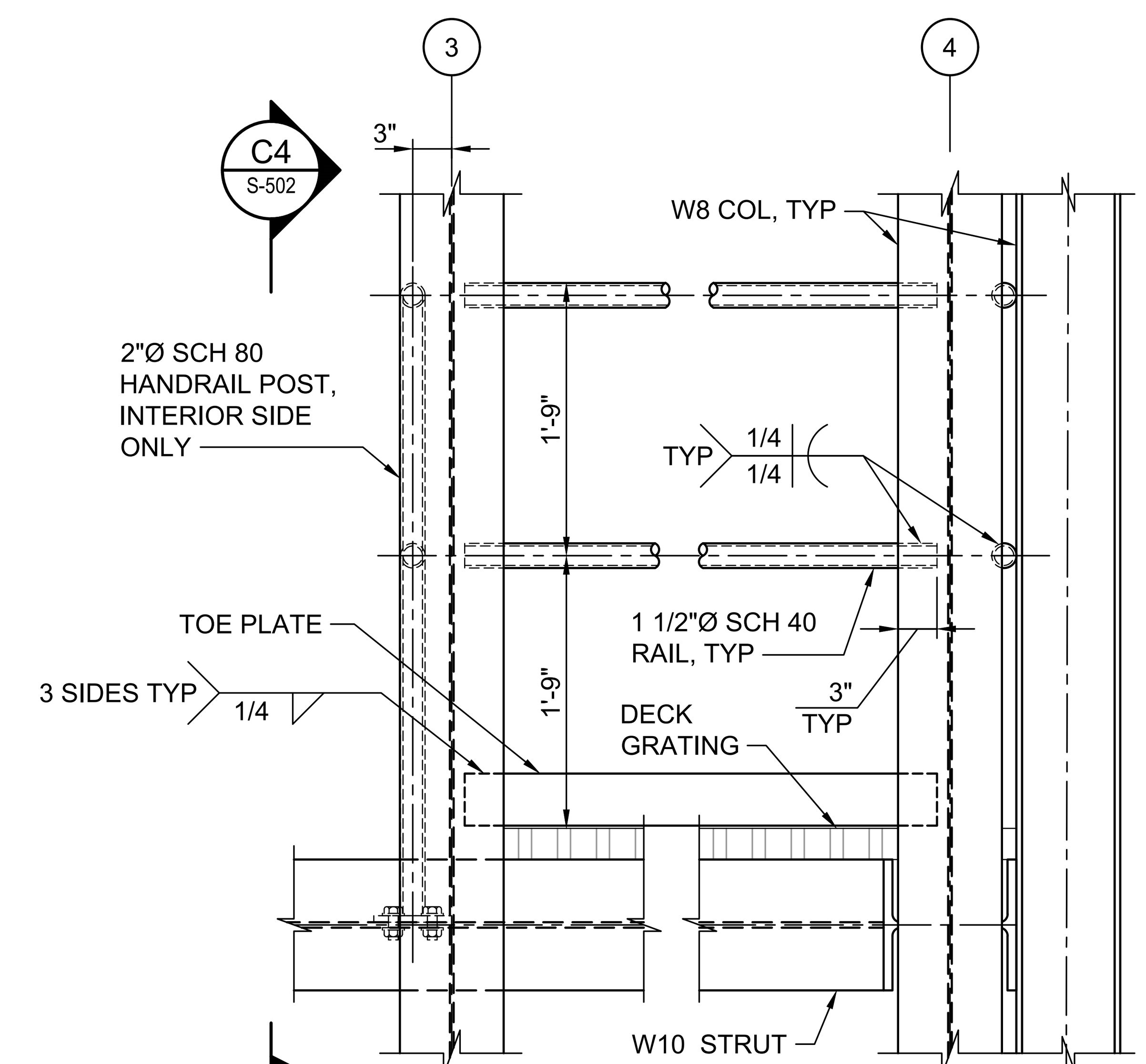
C4 S-201 ELEVATION - TYPICAL INTERMEDIATE GUARD RAIL
SCALE: 1"=1'-0"
S-502



A1 S-102 DETAIL - BOTTOM LADDER
SCALE: 1"=1'-0"



A3 S-201 SECTION - TOP DECK GUARD RAIL
SCALE: 1"=1'-0"



A5 S-201 SECTION - INTERMEDIATE DECK GUARD RAIL
SCALE: 1"=1'-0"

6" 0'-0" 3" 6"
SCALE: 3"=1'-0"

1'-0" 0'-0" 6" 1'-0"
SCALE: 1 1/2"=1'-0"

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

DETAILS - LADDER AND GUARD RAIL SHEET 1 OF 2

Mark	Description	Date	Appr

Rev.:	-
Date:	2023-01-31
M&N Project No.	11102-33
Drawing code:	
Drawing Scale:	
Plot scale:	1:1 (D SHEET)
Designed by:	PWK
Ckd by:	PGV
Dwn by:	HR
Reviewed by:	LC
Submitted by:	F.GONZALEZ CHANA, MOFFATT & NICHOL

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330

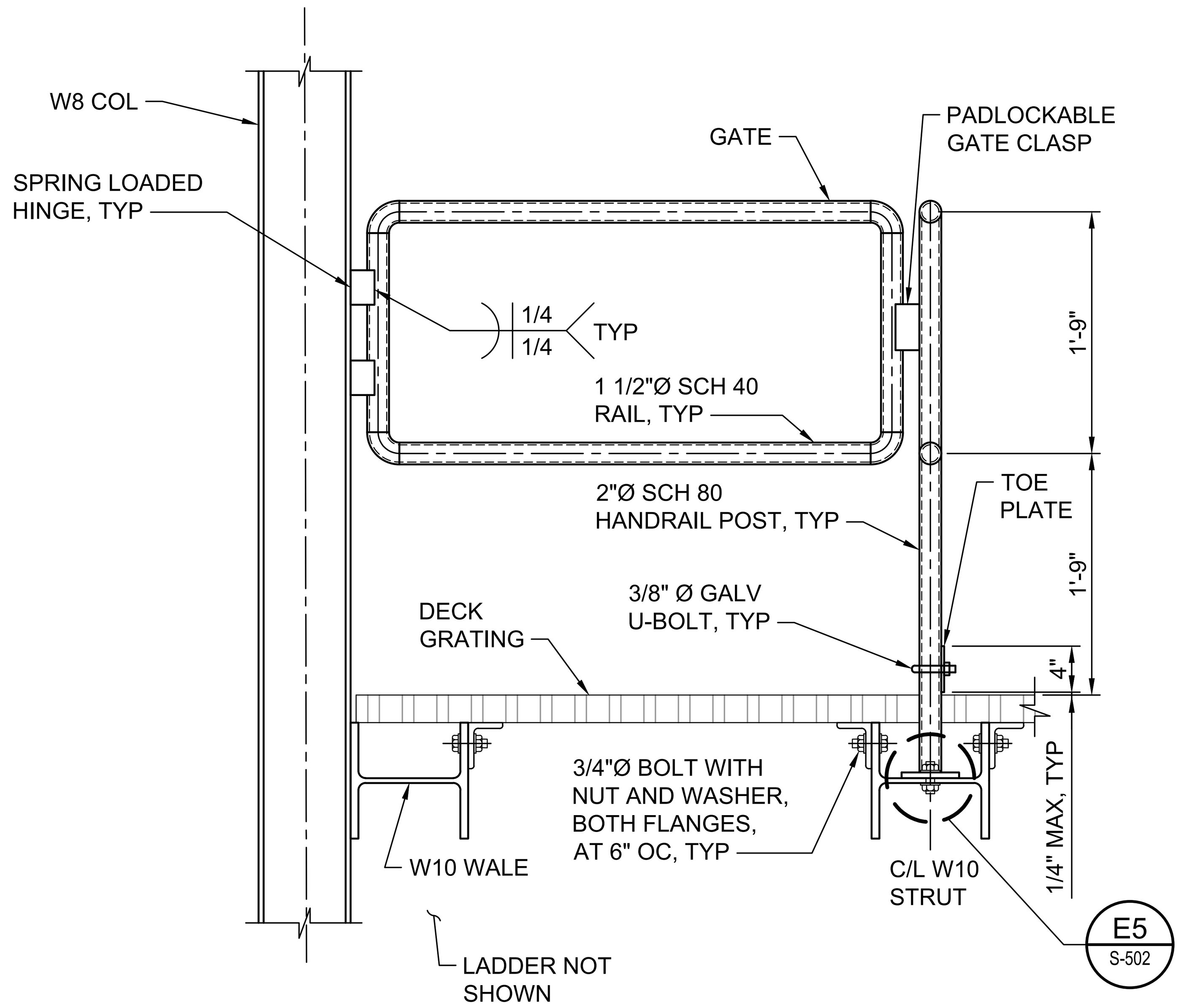
NJEDA
NEW JERSEY WIND PORT

Thomas J. Shafer
2023.02.06
16:36:23-05'00
SEAL

Sheet Reference No.
S-502
INDEX: 25 OF 27

File: Q:\BOS\Projects\11102-33 Sitewide Permit\20 CADD_Active_CDF-E Permit\11102335-502 , Plotted: 2/1/2023 7:07 PM by VOELKER, PAUL , Saved: 2/1/2023 6:31 PM by PVOELKER

DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING



D1 S-201 ELEVATION - GATE AND TOP GUARD RAIL AT LADDER

SCALE: 1"=1'-0"

6" 0'-0" 3" 6"
SCALE: 3"=1'-0"

1'-0" 0'-0" 6" 1'-0"
SCALE: 1 1/2"=1'-0"

1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
NOT TO BE USED FOR CONSTRUCTION

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

DETAILS - LADDER AND GUARD RAIL SHEET 2 OF 2

Mark	Description	Date	Appr.

Designed by: PWK | Dwn by: HR | Ckd by: PGV | Reviewed by: LC | Submitted by: F GONZALEZ CHANA MOFFATT & NICHOL

Date: 2023-01-31 | Rev. RevNo | M&N Project No. 11102-33 | Drawing code: | Drawing Scale: | Plot scale: 1:1 (D SHEET)

moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330

NJEDA
NEW JERSEY WIND PORT

Thomas J. Shafer 2023.02.06 16:36:28-05'00'

SEAL

Sheet Reference No.
S-503
INDEX: 26 OF 27

File: Q:\BOS\Projects\1110..._Active_CDF-E Permit\11102335-503 ; Plotted: 2/1/2023 7:07 PM by VOELKER, PAUL ; Saved: 2/1/2023 6:32 PM by PVOELKER

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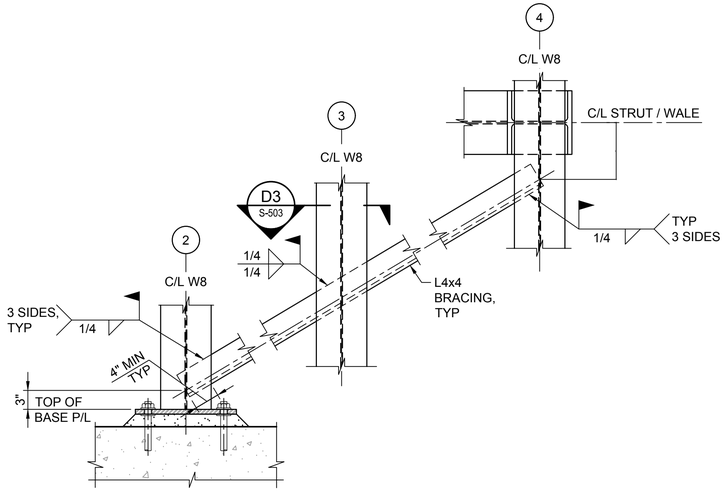
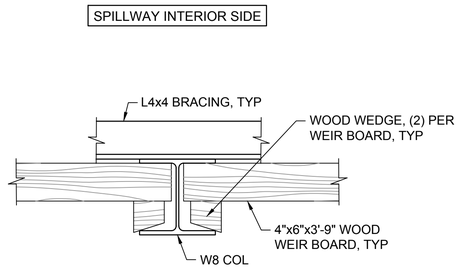
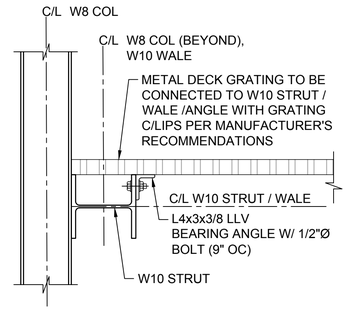


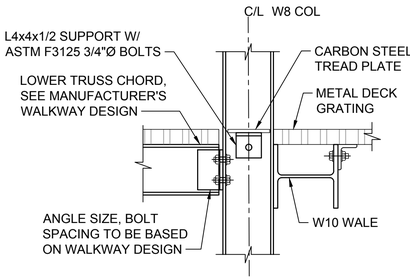
D1 S-201 SECTION - TYPICAL BRACE
SCALE: 1"=1'-0"



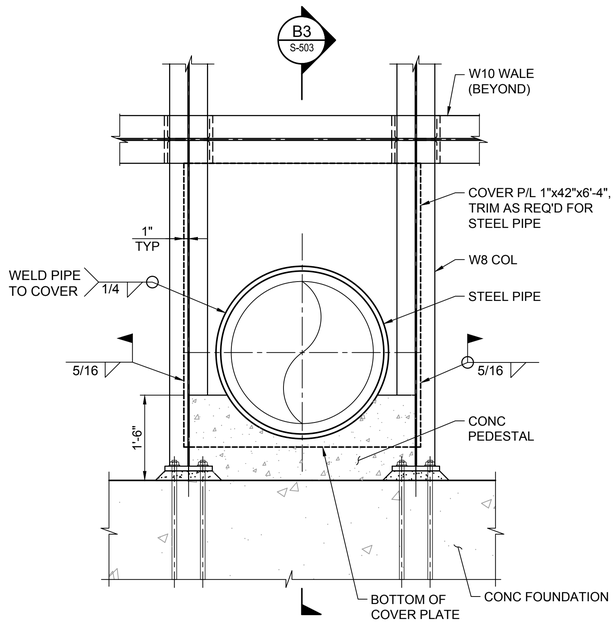
D3 S-102 SECTION - WOOD WEIR BOARDS
SCALE: 1 1/2"=1'-0"
S-503



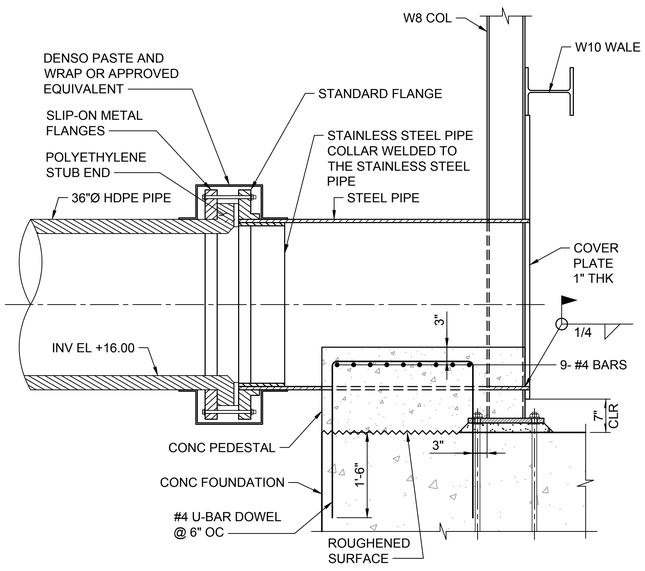
D4 S-102 DETAIL - DECK GRATING AT W10 STRUT/WALE
SCALE: 1"=1'-0"



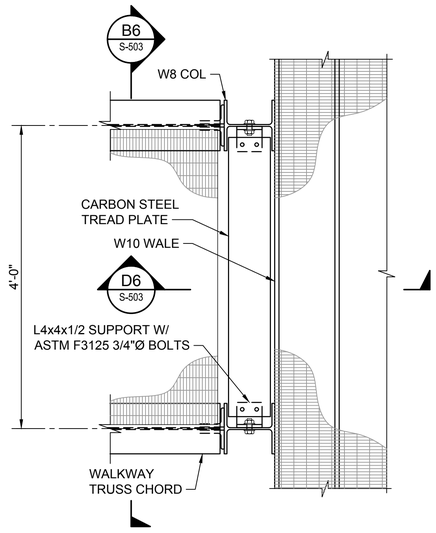
D6 S-503 SECTION - WALKWAY CONNECTION
SCALE: 1"=1'-0"



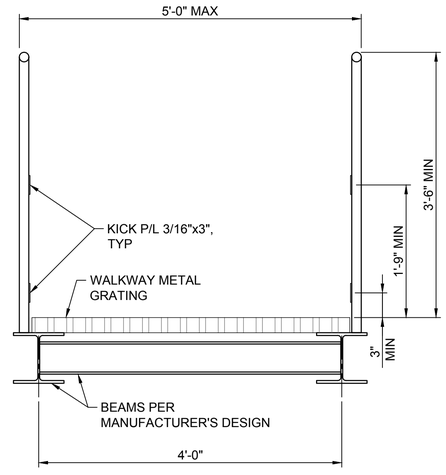
B1 S-202 DETAIL - OUTFALL PIPE OPENING
SCALE: 3/4"=1'-0"



B3 S-202 DETAIL - PIPE OPENING
SCALE: 3/4"=1'-0"



B4 S-102 DETAIL - WALKWAY CONNECTION
SCALE: 1"=1'-0"



B6 S-503 SECTION - WALKWAY
SCALE: 1"=1'-0"

NOTE:

1. TOTAL LENGTH OF WALKWAY FROM THE FACE OF THE SPILLWAY STRUCTURE TO THE CENTERLINE OF THE CONCRETE LANDING BASE ON THE DIKE IS 41'-11"±. CONTRACTOR SHALL FIELD VERIFY THIS DIMENSION.

2'-0" 0'-0" 1'-0" 2'-0"
SCALE: 3/4"=1'-0"
1'-0" 0'-0" 1'-0" 2'-0"
SCALE: 1"=1'-0"
1'-0" 0'-0" 6" 1'-0"
SCALE: 1 1/2"=1'-0"

PERMITTING PACKAGE
ISSUED: 2023-JAN-31
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DETAILS - WALKWAY AND MISCELLANEOUS CONNECTIONS

NEW JERSEY WIND PORT
PARCEL E - ENGINEERING DESIGN OF CDF
LOWER ALLOWAYS CREEK TOWNSHIP
SALEM COUNTY, NJ

Rev:	Description	Date	Appr
-			

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M&N Project No. 11102-33
Drawing code:
Drawing Scale: 1:1 (D SHEET)
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Designed by: PWK
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moffatt & nichol
180 WELLS AVENUE, SUITE 302
NEWTON, MA 02459
617-299-7330

NEW JERSEY WIND PORT
NJEDA

STATE OF NEW JERSEY
Thomas J. Shaffer
39102
PROFESSIONAL ENGINEER
2023.02.06 16:33:08 -05'00'
SEAL

Sheet
Reference No.
S-504
INDEX: 27 OF 27

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DRAWING SCALES SHOWN BASED ON 22"x34" DRAWING